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# ILLINOIS NATURAL HISTORY SURVEY

**DATABASE MANAGEMENT AND ANALYSIS OF FISHERIES IN  
ILLINOIS LAKES**

**VOLUME 1**

**1 March 1997 - 28 February 1998**

**F-69-R-11  
Annual Report to  
Division of Fisheries  
Illinois Department of Natural Resources**

**Center for Aquatic Ecology**

**Pacifico J. Perea, Robert A. Illyes, Trent Thomas, Todd Kassler  
Ralf Riedel, David P. Philipp, and Peter B. Bayley**

**May 1998**

**Aquatic Ecology Technical Report 98/4**





**DATA BASE MANAGEMENT AND ANALYSIS OF FISHERIES  
IN ILLINOIS LAKES (F-69-R-11)**

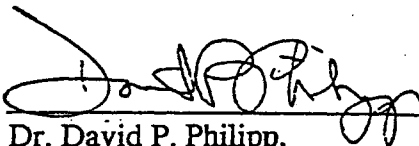
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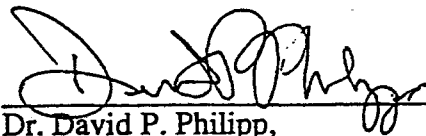
**Pacifico J. Perea, Robert A. Illyes, Trent Thomas, Todd Kassler  
Ralf Riedel and David P. Philipp**

**Illinois Natural History Survey  
Center for Aquatic Ecology  
607 E. Peabody Drive  
Champaign, IL 61820**

**May 1998**



**Dr. David P. Philipp,  
Principal Investigator  
Center for Aquatic Ecology  
Illinois Natural History Survey**



**Dr. David P. Philipp,  
Center Director  
Center for Aquatic Ecology  
Illinois Natural History Survey**

This technical report is the annual report for Segment 11 of Project F-69-R, Database Management and Analysis of Fisheries in Illinois Lakes, which was conducted under a memorandum of understanding between the Illinois Department of Natural Resources and the Board of Trustees of the University of Illinois. The actual work was performed by the Illinois Natural History Survey, a division of the Illinois Department of Natural Resources. The project was supported through Federal Aid in Sport Fish Restoration (Dingell-Johnson) by the U.S. Fish and Wildlife Service, the Illinois Department of Natural Resources Division of Fisheries, and the Illinois Natural History Survey. The form, content, and data interpretation are the responsibility of the University of Illinois and the Illinois Natural History Survey, and not that of the Illinois Department of Natural Resources Division of Fisheries.

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## **Executive Summary**

Since its inception in 1987, F-69-R has continued to develop and meet the needs of fishery managers as well as answer the questions brought by fisheries researchers. Segment 11 met these needs by expanding the fisheries related databases for the Illinois Department of Natural Resources Division of Fisheries, obtaining data for researchers at the Illinois Natural History Survey Center for Aquatic Ecology, collecting stream surveys and improving the analysis software used by fisheries managers.

To date 201 surveys have been completed by this program. During Job 101.1 segment 11, the creel portion of F-69-R completed creels 14 day creels on 13 lakes one ice creel on a backwater area and three creels on river basins.

Jones State Lake was the only long-term research lake chosen for this segment. The creel survey provided baseline data for Bluegill Project, a new research and management initiative of IDNR-Fisheries and INHS-Center for Aquatic Ecology. These lakes were Mermet Lake, Sam Parr Lake, Siloam Springs Lake, Shabbona Lake, Turner Lake and Walnut Point Lake. The remaining lakes surveyed were Heidecke Lake, Lake Vermilion, Otter Lake, Randolph County Lake, Snakeden Hollow Lake, Carlyle Lake and Carlyle Tailwater. These were creeled to examine management actions and stocking evaluations. Among the day creels were two ice creels which were funded by a local municipality and by the Army Corps of Engineers. Three river basins were surveyed to examine the impacts of the new smallmouth bass regulations. The

river survey evaluated the awareness of anglers to the newly instituted smallmouth bass regulations and measured compliance to these regulations.

In Job 101.2, fisheries database enhancement, additional work continued on FISHTAB and on Streams until May 1997 in an effort to finish as many outstanding Streams-related enhancements. Minor operating system conflicts with FISHTAB were resolved. Programs on the Apple II and the PC for transferring the Apple data to the PC are completed and functional. Work on the CREEL analysis portion of the software is ongoing and should be completed by segment 12.

In Job 101.3, management history and historical fish population survey data on 52 state-managed lakes were verified during 1997. Data verification for management history, fish population surveys, and fishing regulations are ongoing and will be completed during the second half of 1998. Analyses evaluating fisheries management activities in Illinois lakes are being performed and will be concluded in mid 1998.

### **Job 101.1. 1997 Lake Creels-Angler Surveys**

**Project Objective:** Conduct creel surveys on selected lakes and river basins in conjunction with several creel surveys supported by the Illinois Department of Natural Resources. Special emphasis will be placed on the selection of lakes that are representative of larger sets of lakes, provide long term data series, provide management with useful evaluation information and from which good fish population data are taken from regular samples.

**Segment 11 Objectives:** Conduct ten creel surveys on selected long-term lakes and lakes with both management and research interests. Manage (coordinate and supervise personnel) these lakes and four creel surveys supported by IDNR. Conduct creels on three river basins and investigate factors in smallmouth bass spawning success. Compile and analyze creel data for interim and annual reports. Update creel results in the FAS database.

#### **1.1 Summary of 1997 Activities**

The creel database continues to grow; 201 surveys have been conducted by this program. During 1997 the creel portion of F-69-R completed creels 14 day creels on 13 lakes, finished one ice creel on a backwater of the Mississippi River, conducted three day creels on river basins and investigated environmental and anthropogenic factors in smallmouth spawning success in a small

creek in East-Central Illinois (Figure 1.1.1.). To date, 74 Illinois impoundments have been surveyed under F-69-R and related projects (Figure 1.1.2.).

Jones Lake was the only of the core group of 11 long-term research lakes surveyed during Segment 11. It was surveyed to evaluate the effectiveness of a new slot limit for largemouth bass enacted during 1996. The creel survey also provided baseline data for Bluegill Project, a new research and management initiative of IDNR-Fisheries and INHS-Center for Aquatic Ecology. These lakes were Mermet Lake, Sam Parr Lake, Siloam Springs Lake and Walnut Point Lake. There were no major changes in sampling routine at these lakes. The remaining lakes surveyed were Heidecke Lake, Lake Vermilion, Otter Lake, Randolph County Lake, Shabbona Lake, Snakeden Hollow Lake, Turner Lake, Carlyle Lake and Carlyle Tailwater. These were creeled to examine management actions and stocking evaluations. Among the day creels were two ice creels which were funded by a local municipality and by the Army Corps of Engineers. The ice creel on Potter's Marsh, a backwater of the Mississippi River, was surveyed to evaluate dredging done by the U.S. Army Corps of Engineers. The dredging was done to deepen shallow areas, provide boat and recreational use and restore habitat for fish. Our survey revealed that gamefish were found in the dredged areas during the ice creel (Appendix A).

In 1997, under the new creel season guidelines established in the segment 10 report (Perea 1997), seven of the thirteen lakes (Carlyle Lake, Jones State Lake, Randolph County Lake, Sam Parr Lake, Siloam Springs Lake, Walnut Point Lake and Lake Vermilion) were surveyed over the new

standard seven and one-half month period (mid-March through October). The November sampling period was dropped because of the low rates of angler activity and nonsignificant harvest and catch data for the period. Four lakes (Mermet Lake, Otter Lake (Section 1), Heidecke Lake and Snakeden Hollow ) closed in mid-October due to the waterfowl hunting season. Two northern Illinois lakes (Shabbona Lake and Turner Lake) opened in April due to an extended cold period that kept ice on lakes until late March.

The overall sampling effort for single section lakes was kept at approximately 40% of all possible work shifts, thus maintaining the precision of angler effort, harvest, and catch values first observed in 1989 and 1990. The 95% confidence range for the estimated total hours of fishing ranged between 5-9% of the total effort values (Appendix A). The 95% confidence range around the estimated total biomass of fish harvested generally fell within 10-34% of the estimate with exception of Otter Lake and Turner Lake (Appendix A). Otter Lake, with a 95% confidence interval of 189%, and Turner Lake, with a 95% confidence interval of 53%, were lakes that appear to suffer from low harvest and high variability in angler success. It appears that very few people are harvesting fish and many people are not harvesting any fish at all on Otter Lake and Turner Lake. When the catch rates were examined for the 1997 creel on Otter Lake, anglers were harvesting 0.6 fish per hour which represents a 60% drop in harvest rate when compared to the 1995 survey results of 1.5 fish per hour (Appendix A). Turner Lake also had very few successful anglers with a harvest rate of 0.1 fish per hour, but had a catch rate of 0.7 fish per hour. The catch results for both lakes were reasonable with 95% confidence intervals of

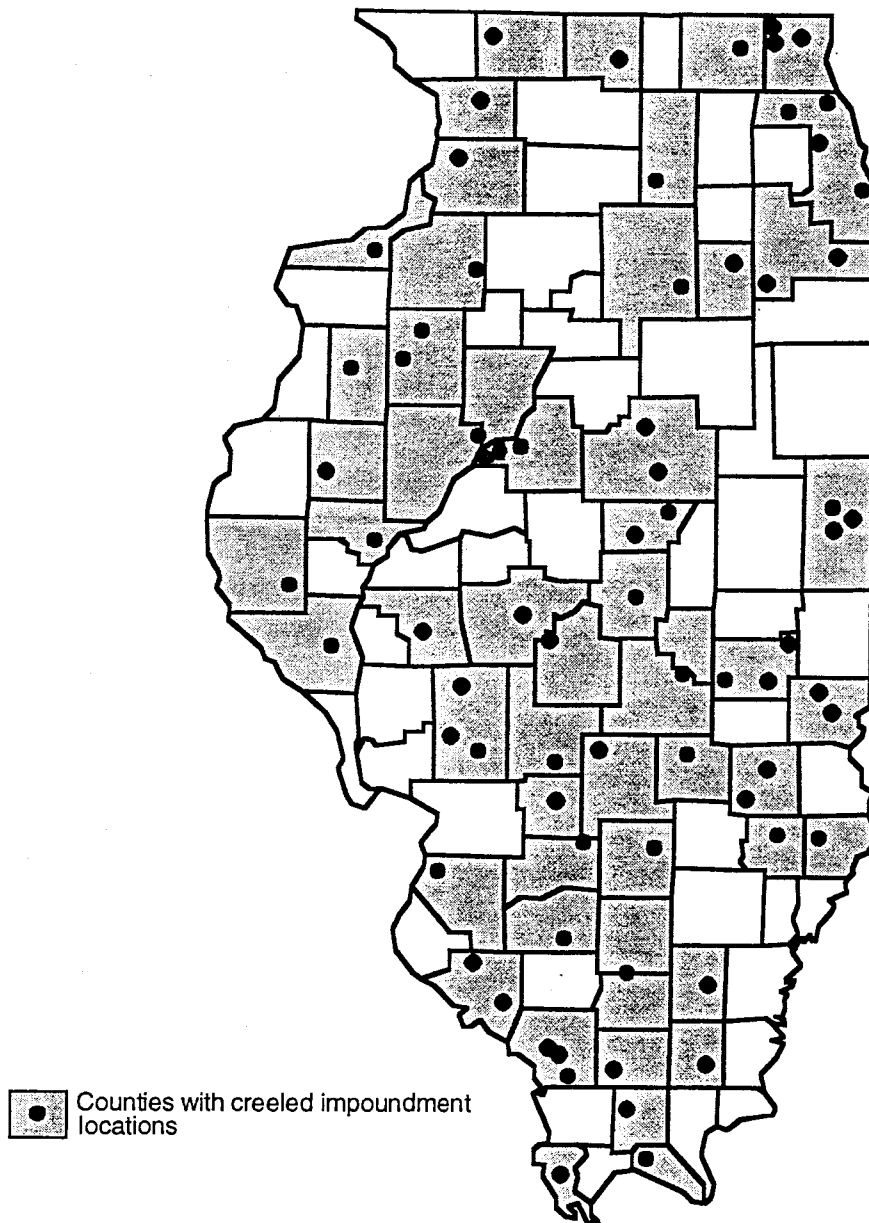
22% for Otter and 18% Turner. The large swing in variability can be accounted by the low number of fish being harvested by only a small subset of anglers.

An access-point design was implemented at Heidecke Lake due to limited fishing access at these lakes and past success of access point creels on these lakes. Boat access is restricted to a single ramp at Heidecke. Shore fishing access is similarly limited. Vehicle counts were used to calculate the number of boat and shore anglers on both lakes as described by Bayley et al. (1990). Vehicles with boat trailers (to estimate boat anglers) and without boat trailers (to estimate shore angler numbers) were counted in the parking lots at times assigned to roving instantaneous counts. Angler and vehicle count data from Bayley et al. (1990) and 1995 surveys on Powerton Lake were used to produce the following predictive relationships:

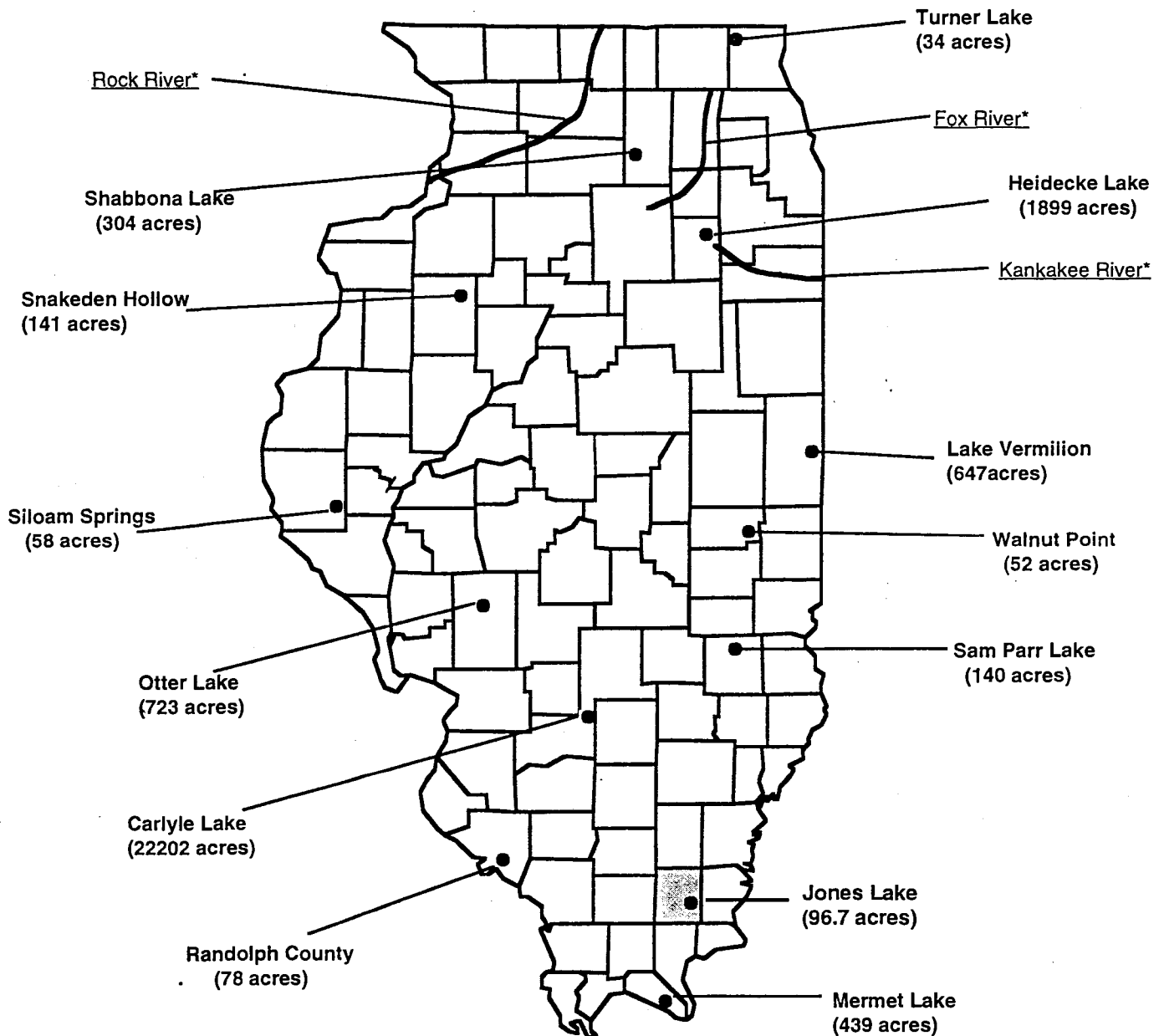
$$\text{no. boat anglers} = 1.0085 + 1.6822 * \text{no. vehicles with boat trailers}, r^2 = 0.89$$

$$\text{no. shore anglers} = 2.9671 + 1.2498 * \text{no. vehicles without trailers}, r^2 = 0.79$$

These relationships were subsequently used to estimate angler effort at Heidecke Lake.



**Figure 1.1.1.** Locations of all lakes creeled between 1987 and 1997.



**Figure 1.1.2.** Location of lakes surveyed during 1997. Long-term research lakes are identified by shaded county backgrounds. Asterisk indicates river creel.



## **1.2 1997 River Creels**

### **1.2.1 Introduction**

Three river basins were surveyed to examine the impacts of the new smallmouth bass regulations. The river survey evaluated the awareness of anglers to the newly instituted smallmouth bass regulations and measured compliance to these regulations.

### **1.2.2 Methods**

The Fox, Kankakee, and Rock River were creeled from May 31 to July 27, 1997 to assess experimental smallmouth bass regulation zones. Each river was divided into three regulation zones, two experimentals and a control. The rivers were creeled by a roving creel clerk every weekend (Saturday and Sunday) during this period. The clerk began at 7:00 am at either the North or South end of the creeled section of river. If the clerk began at the North end on Saturday, he/she began at the opposite (South) end on Sunday. The river was creeled for approximately eight hours each day, with the clerk spending equal time in each zone.

The creel clerk made counts of boats, boat anglers, shore anglers, and wading anglers at each access site within each zone. The clerk then proceeded to interview as many anglers as time allowed at each site. In many cases, boat anglers were unattainable to the clerk. The clerk identified, counted, and measured harvested fish. The anglers were asked for the same

information on released fish. The anglers were also asked what species of fish they were seeking and a series of three opinion questions about the smallmouth bass regulations. The results for this section of the report are found in Appendix B.

### 1.2.3. Results-Fox River

The Fox River was divided into a minimum length limit zone, catch and release zone, and a state regulations zone (control). The clerk logged 592 interviews, 1864.4 hours of effort, and 586 total fish caught. This was the highest recorded fishing pressure of the three rivers. Smallmouth bass was the fourth most sought after species with 9.1% of the total recorded effort, and the second most caught species behind carp. There were six illegally harvested fish, all were smallmouth bass. Over 90% of the interviewed anglers knew the regulations, approved of the regulations, and thought the regulations have improved fishing. The anglers gave smallmouth bass fishing an average rating of three. The experimental zones had higher average harvest lengths compared to the control (CR=35cm, ML=34cm, SR=30), although the catch and release zone should have had no harvest. The average length of released fish was lowest in the minimum length zone (ML=20cm, SR=25cm, CR=26). 70 legal smallmouths were released in the state regulations zone without regulatory control on size (Appendix B).

#### 1.2.4. Results-Kankakee River

The Kankakee River was divided into a minimum length zone, protected slot zone, and a state regulations zone (control). The clerk logged 418 interviews, 1660.2 hours of effort, and 542 total fish caught. Kankakee River fishing pressure ranked second among the creeded rivers.

Smallmouth bass was the fifth most sought after species with only 2.4% of the total recorded effort, and the third most caught species behind carp and bluegill. Three fish were harvested illegally, all were smallmouths again. Only 37.3% of the interviewed anglers actually knew the regulations. However, when told the regulations 84.3% approved of them and 62.3% thought the regulations had improved fishing. Smallmouth bass fishing was given an average rating of three on this river also. Only nine smallmouths were creeded as harvested from the river. One was harvested from the state regulations zone, three from below the protected slot, and five from the minimum length zone (three of which were illegal). This is very few fish to derive conclusions from averages. Many legal smallmouths were released, six each from the state regulations zone and protected slot zone and one from the minimum length zone (Appendix B).

#### 1.2.5 Results-Rock River

The Rock River was divided into a protected slot zone, catch and release zone, and a state regulations zone (control). The clerk logged 144 interviews, 677.39 hours of effort, and 153 total fish caught. Smallmouth bass was the fourth most sought after species with a mere 1.7% of the total recorded effort, and the fourth most caught species behind channel catfish, carp, and

freshwater drum. There were no illegally harvested fish. A very low 13.3% of the interviewed anglers knew the regulations. When told the regulations, 50.3% approved of them and 48.3% thought fishing had been improved by the regulations. The average rating for smallmouth bass fishing dropped to one on the Rock River. Only six smallmouth bass were creel as being caught, two were harvested legally and four were released. This was not enough fish to draw conclusions about the regulations (Appendix B).

### **1.3 Factors in Smallmouth Bass Spawning Success**

Angling pressure and nesting success factors were examined on Jordan Creek. Our first objective was to measure fishing pressure on Jordan Creek, Vermilion County Illinois from April-July 1997. We conducted an on site creel survey, as well as conversed with private landowners. According to private landowners around Jordan Creek, fishing pressure was low. The landowners indicated some family members would fish the creek after work or on weekends, however we did not encounter anyone fishing. We also noted there were no hook wounds on nesting bass and so conclude that fishing pressure on smallmouth bass in Jordan Creek was indeed low during that period in 1997.

Our second objective was to monitor nesting success of smallmouth bass males in Jordan Creek. This was done by walking the creek from the confluence of the Salt Fork River to the bridge on the Homer/Catlin Road. We tagged smallmouth bass nests that had eggs and

returned to the creek at least every three days to see if the nesting males were still on their nest and to check the developmental stage of the eggs. The first spawning activity started on April 26, but all 8 males abandoned their nests by May 9, likely in response to a series of large thunderstorms in the first week in May that caused a drop in water temperature and rise in water level. A second round of spawning activity (26 nesting males) started on May 18 and lasted only three day to May 21. Once again, thunderstorms resulted in a drop in water temperature and rise in water level, causing all 26 nesting males to abandon their nests. Males remained on nests as late as July 10; 16 of those males had successfully raised their fry, whereas 6 had abandoned their nests.. In summary, a total of 56 nests were located from April-July, but only 16 of those males were successful in raising their eggs up to free swimming fry. Summaries of temperature profiles and spawning activity are shown in Figures 1.3.1 and 1.3.2

Figure 1.3.1. Water temperature profiles at two sites along Jordan Creek.

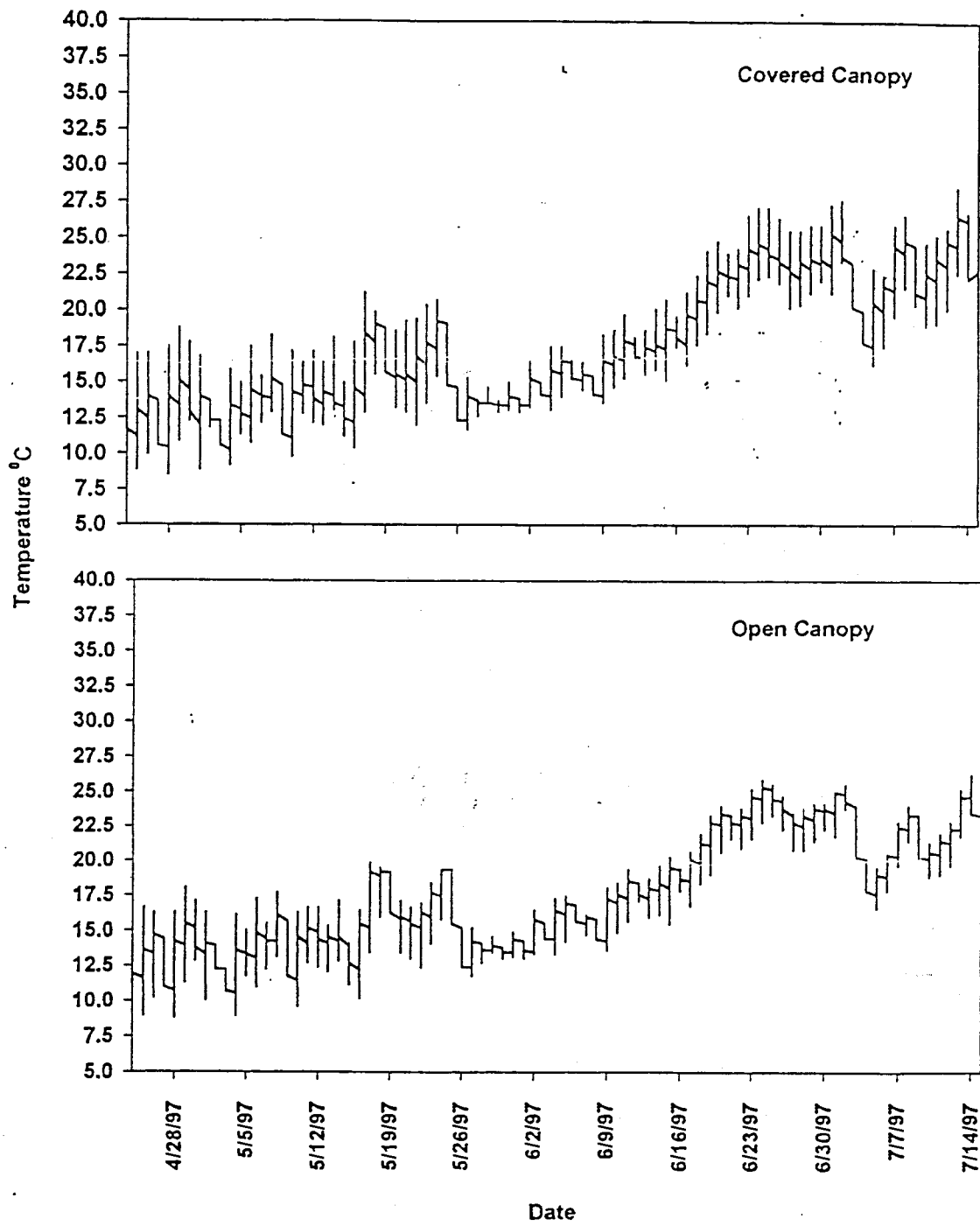
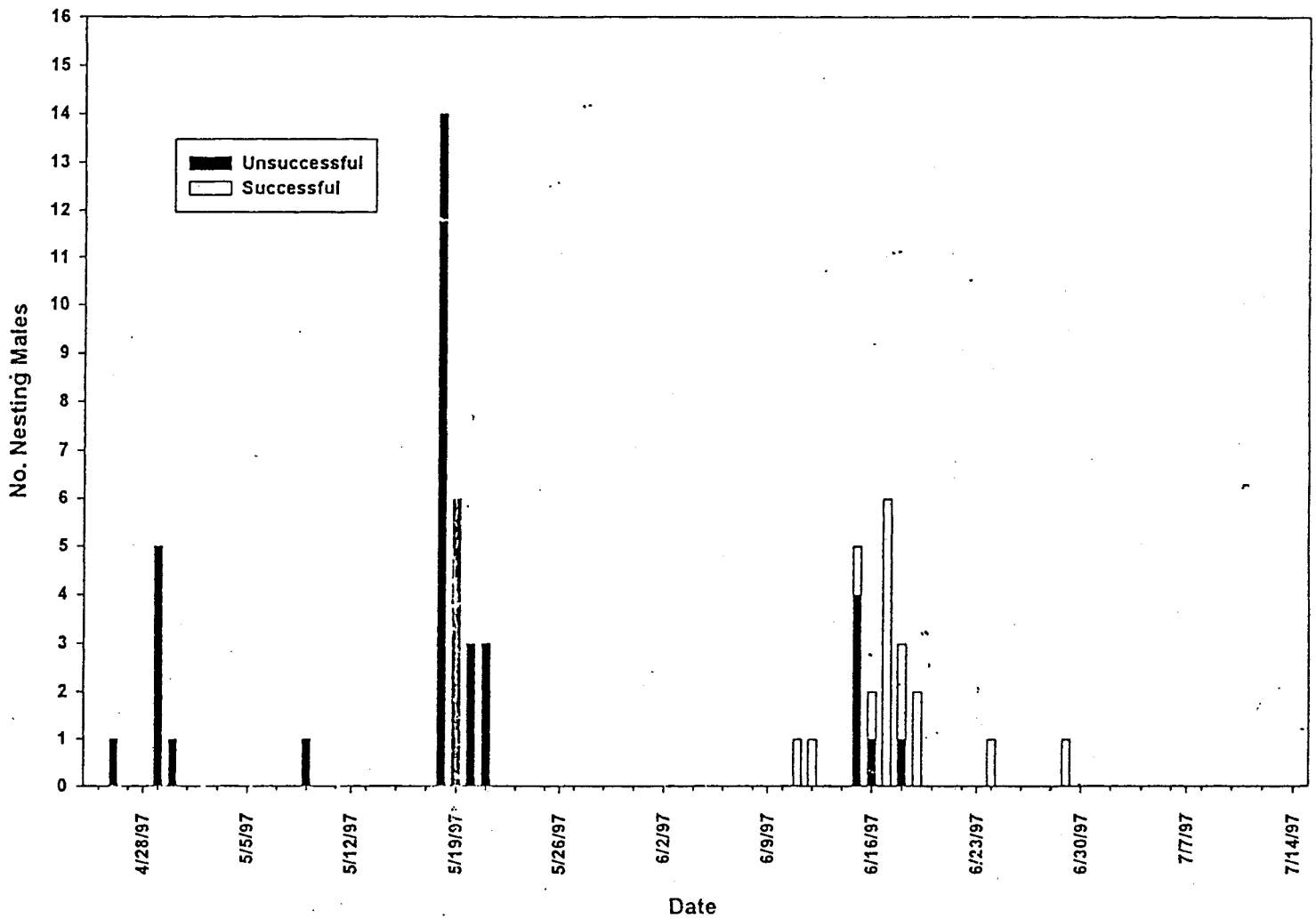


Figure 1.3.2. Smallmouth Spawning Dates for Jordan Creek, Illinois.



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### **Job 101.2 Fisheries Database Enhancement**

Additional work continued on FISHTAB and on Streams until the end of May in an effort to finish as many outstanding Streams-related enhancements as feasible consistent with completing the CREEL software by the end of the segment 12. An improved habitat database structure, devised by David Day, was integrated into ENTER.SC during segment 11. FISHTAB crashed intermittently when run in a Windows 95 environment, and was at first restricted to DOS, but the problem has now been eliminated.

Programs on the Apple II and the PC for transferring the Apple data to the PC are completed and functional. Some modifications to the original creel database structure were needed to adequately model hierarchical features implicit in the existing databases. The transfer program uses the serial port, with handshaking and parity incorporated to effect fast and error free transfers. The process is almost entirely automatic, making operator errors unlikely and requiring much less operator time than originally anticipated. A multi-year Paradox database was created from some of the Apple databases to verify the procedure and the new database structure.

Progress continues on the creel analysis suite. It is anticipated that the analysis programs will be available in testable form this summer, leaving adequate time at the end of the segment for any corrections or refinements that are needed.

### **Job 101.3 Historical Database Development and Lake Documentation**

Management history and historical fish population survey data on 52 state-managed lakes were verified during 1997. Data verification for management history, fish population surveys, and fishing regulations are ongoing and will be completed during the second half of 1998. Analyses evaluating fisheries management activities in Illinois lakes are being performed and will be concluded in mid 1998.

#### **3.1. Data Verification**

Fish length-frequency observations, effort records, sampling procedure data, and data on management history information were verified during the period of 1997 for 52 lakes (Table 1). There are approximately 35 lakes in the database that comprise about 80% of the available data. Lakes verified during 1997 were among the lakes sampled for fish less frequently. Site specific data pertaining to fishing regulations are available from 1984 through 1996. Data from 1984 through 1993 were verified during 1997.

## **3.2. DATA ANALYSES**

### **3.2.1. Introduction**

Illinois sport fisheries managers strive to provide high quality fishing to anglers. Sport fisheries management incorporates a variety of activities toward improving game fish population abundance. Observations that may be used to evaluate the effects of management are obtained by sampling the abundance of fish on a yearly basis in Illinois lakes. The more years available, the more accurate will estimates of the efficacy of management practices be. An important concern when evaluating the effects of management practices is whether a few years are sufficient to provide accurate information or whether managers need to rely on long-term observations.

The effectiveness of management practices in Illinois may also be a function of environmental conditions. Management practices may lead to different results at different lakes and years. Managers in Illinois have not previously had access to data other than that of their own district. This restricts the understanding of effects of management practices, especially when a spatially broad scale of knowledge is required, as when justification for or against statewide management practices, such as fishing regulations, is necessary. Effects of environmental conditions may interact with management practices (Binet 1982) and produce unexpected outcomes.

Environmental effects may also overwhelm the effects of management, such that biological parameters as fish abundance may appear to fluctuate unpredictably and irrespective of management interventions. The potential success of management can be estimated when investigating management practices in light of environmental variation. The degree to which

management and environmental factors influence fish abundance will determine how much uncertainty has to be accounted for in management plans.

The effectiveness of sport fisheries management on largemouth bass using long-term data is being investigated. Forty two lakes in Illinois with data since 1960 were used (Figure 1). Largemouth bass is one of the most important and widespread game species in Illinois (Baur 1995; Baur and Rogers 1984). An important objective of sport fisheries in Illinois is the maintenance of game fish populations for quality angling. Although the quality of sport fishing is a subjective judgement related to anglers' preferences (Knuth and McMullin 1996), which are likely to vary over time and location, quality fishing is generally associated with some combination of fish size and quantity. Management to maximize abundance and size of largemouth bass is a goal because anglers desire some combination of these two properties.

The response variables chosen to address the problems above were the abundance of age-1 and adult largemouth bass. Age-1 largemouth bass was the size-class used to investigate the effects on changes in fish abundance of management practices other than changes in size limits. This age-class was chosen because age-1 largemouth bass is not subject to angler harvest. Typical harvestable sizes of largemouth bass (300 mm and larger) are of age-3 and older fish (Miller 1984; Howels et al. 1995). Even if largemouth bass of age-2 and younger are harvestable, as is the case in most slot length limits, anglers tend to release those fish because of their small size (Martin 1995; Summers 1990; Gabelhouse 1994). Age-0 largemouth bass was not used because

density-dependent population regulating mechanisms (increased competition for food or winter refugia) may operate more strongly during the first year of a cohort due to fish being more abundant, potentially making management effects of short (order of weeks) duration only. It is more likely that management practices will affect older fish, and therefore fishing quality, when the effects of management are detected on age-1 fish. Fish of legal size were used to investigate the effects of changes in fish size limits.

The anthropogenic predictors were frequent management practices for sport fisheries in inland Illinois lakes and included fish removal, aquatic vegetation control, largemouth bass stocking (number of fish per unit of lake surface area), water level manipulation, lake rehabilitation, and changes in the fish length limit. The length limit changes entailed an increase from the statewide minimum length limit of 300 mm to 350 mm, an increase in the minimum length limit to 375 mm or the substitution of a 350-375 mm exclusive slot limit for the statewide minimum length limit. Each of the changes in length limit was treated as a distinct predictor.

Precipitation, accumulated growing and cooling degree days, and snow depth were used as the environmental predictors. Precipitation during the months of April and May was used. Snow depth and cooling degree days were for the months of December through March, the months where ice most likely covers lakes. The base temperature for cooling degree days was zero degrees Celsius. Air mean temperature for the months of May through November were used in growing degree days calculations.

### 3.2.2. Methods

Any of the anthropogenic predictors may interact with any of the environmental predictors at a detectable level. The anthropogenic predictors may not be sufficient in detecting fluctuations in the response variable when investigated independently from the environmental predictors.

Similarly, environmental predictors may interact among themselves. An assumption of independency of effects among predictors is made when only assessing the main effects in explaining the response variable. However, if this assumption is unfounded, loss of information or loss of statistical power may occur (Zar 1996).

Multiple regression was used to investigate the effects of the predictors and their interactions on the response variables. An alpha level of significance of 0.05 was used in all tests. In the interest of result interpretability, only first-order interactions were assessed.

Three delay lags based on delayed treatment effects were used to measure the effects of the predictors on the response variable. This was done because of the response variables chosen were age dependent. Even though the predictors have a potential direct effect on fish, the effect on the response variable may not be immediate. An example is stocking in Illinois, whereby age-0 fish are added to lakes. Stocking as a predictor, therefore, will not be detected immediately if a response variable based on age-1 fish is used, even though it has an immediate effect on age-0 fish (an increase in age-0 fish).

A zero delay (lag 0) was defined for predictors potentially affecting fish when a management practice was implemented or a datum for an environmental predictor was observed. A one-year delay (lag -1) was used for predictors occurring one year before the occurrence of a potential effect. Similarly, a two-year delay (lag -2) was used for predictors occurring two years before a potential effect. As an example, lake rehabilitation is done during the fall, by completely draining the lake and leaving it without water until the next spring. Stocking of age-0 fish is done during the spring following rehabilitation. A potential increase of age-1 fish following lake rehabilitation, therefore, will only be detected in the second year after lake draining.

Each of the anthropogenic predictors is being analyzed separately because the same combination of treatments rarely occurred in the same year at a lake. The source database was filtered to extract those lakes which had received the treatment (predictor) of interest. As a result, some lakes are being excluded from analyses of certain predictors. Data from confounding years were discarded. Confounding years were those years when management practices other than the one being analyzed had detectable treatment effects on the response ( $p < 0.05$ ) and coincided with the practice being investigated.

A lag 0 was used for fish removal, aquatic vegetation control, and fishing regulation effects to address the effects of management practices during the year the practice was conducted. A lag -1 was used for fish removal, aquatic vegetation control, largemouth bass stocking, water level

manipulation, and lake rehabilitation to address the effects of management practices one year after the practice was conducted. A lag -2 was used for lake rehabilitation only to address the effects of management practices two years after the practice was conducted. Except for lake rehabilitation, all environmental predictors were taken for the year the management practice was conducted (lag 0) to address possible interactions between natural and management effects. Environmental predictors were taken for the year following rehabilitation events because largemouth bass is stocked during those years (the environmental predictors pertain to the year the fish population started).

### 3.3. Preliminary Results

Results for management practices are shown in Table 2. Significant management practices were aquatic vegetation controls (lag-0), water level manipulations (lag-1), lake rehabilitation events (lags -1 and -2) and the changes in fish size limits. Largemouth bass stocking did not show any detectable effect on the age-1 response variable. Similarly, chemical fish removal did not show any detectable effect on largemouth bass.

### 3.4 References

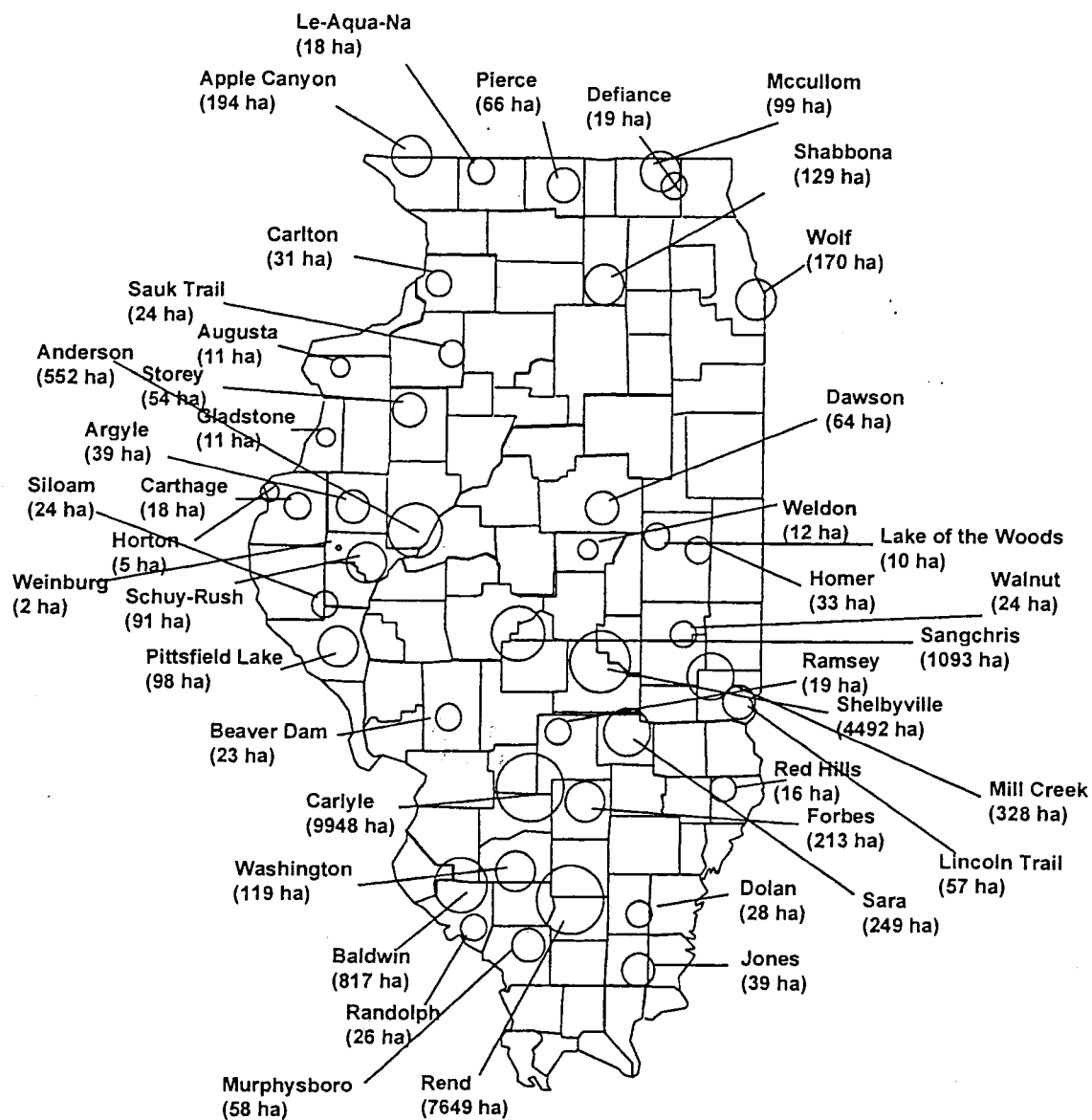
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### 3.5 LIST OF FIGURES

Figure 3.5.1. Lake names and surface area (circles in a logarithm scale) for the 42 lakes used to investigate environmental and anthropogenic effects on largemouth bass abundance



### 3.6. LIST OF TABLES

Table 3.6.1. Lakes with fish population survey and management history data verified during the year of 1997.

ARROWHEAD HEIGHTS LAKE
ASHLAND RESERVOIR
BEALL WOODS
BEAVER DAM LAKE
BIG LAKE S.S.S.P.
CHARLIE BROWN LAKE
CLINTON LAKE
DRESDEN LAKE
FRANK HOLTEN LAKE #3
FRANK HOLTEN MAIN LAKE
GILLESPIE NEW CITY LAKE
GILLESPIE OLD CITY LAKE
GLEN SHOALS
GREENFIELD CITY LAKE
GREENVILLE NEW CITY LAKE
GREENVILLE OLD CITY LAKE
JONES STATE LAKE
LAKE ATWOOD
LAKE DECATUR
LAKE EUREKA
LAKE GEORGE
LAKE OF THE WOODS
LAKE SANGCHRIS
LAKE SARA
LAKE SPRINGFIELD
LINCOLN TRAIL LAKE
LOU YEAGER LAKE
MCCULLOM LAKE
MERMET STATE LAKE
MILL CREEK LAKE
MT OLIVE NEW CITY LAKE
MT OLIVE OLD CITY LAKE
MT STERLING LAKE
NEWTON LAKE
PIERCE LAKE
PITTSFIELD LAKE
POWERTON LAKE
RANDOLPH COUNTY LAKE
RED HILLS
REND LAKE
RICE LAKE
SAM PARR LAKE
SAUK TRAIL
SCHUY-RUSH LAKE
SHABBONA LAKE
SILLOAM SPRINGS
VIRGINIA CITY RESERVOIR
WALNUT POINT LAKE
WASHINGTON COUNTY LAKE
WEINBURG - KING LAKE #1
WELDON SPRINGS
WOLF LAKE

Table 3.6.2. Results for the management practices investigated during 1997. ACP = Average catch per effort (a lake effect); REM = fish removal; VEG = aquatic vegetation controls; STO = largemouth bass stocking; WLM = Water level manipulations; REH = lake rehabilitation; R14 = change from a 300 mm largemouth bass size limit to a 350 mm largemouth bass size limit; R15 = change from a 300 mm largemouth bass size limit to a 375 mm largemouth bass size limit; RSL = change from a 300 mm largemouth bass size limit to a 300-375 mm largemouth bass size slot limit; PPT = precipitation effects.

### Fish Removal lag 0

Dependent variable is Ln(CPE) of age-1 largemouth bass.

R squared = 0.069

377 degrees of freedom

Power  $\geq$  0.99

<i>Source</i>	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F-ratio</i>
Regression	53.42	2	26.71	13.9
Residual	723.75	377	1.92	

<i>Variable</i>	<i>Coefficient</i>	<i>s.e. of Coeff</i>	<i>t-ratio</i>	<i>p-value</i>
Constant	4.69	0.13	35.5	<0.0001
ACP	0.17	0.03	5.21	<0.0001
REM	0.12	0.20	0.62	0.5368

### Fish Removal lag -1

Dependent variable is Ln(CPE) of age-1 largemouth bass.

R squared = 0.171

310 degrees of freedom

Power  $\geq$  0.99

<i>Source</i>	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F-ratio</i>
Regression	108.43	2	54.21	32.1
Residual	523.84	310	1.69	

<i>Variable</i>	<i>Coefficient</i>	<i>s.e. of Coeff</i>	<i>t-ratio</i>	<i>p-value</i>
Constant	4.00	0.17	23.2	<0.0001
ACP	0.40	0.05	7.92	<0.0001

Table 2. Continued.

REM                      0.17                      0.19                      0.89                      0.3723

Aquatic vegetation control lag 0

Dependent variable is Ln(CPE) of age-1 largemouth bass.

R squared = 0.079

249 degrees of freedom

Power >= 0.99

<i>Source</i>	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F-ratio</i>
Regression	49.67	2	24.81	10.8
Residual	574.62	249	2.31	

<i>Variable</i>	<i>Coefficient</i>	<i>s.e. of Coeff</i>	<i>t-ratio</i>	<i>p-value</i>
Constant	4.59	0.25	18.60	<0.0001
ACP	0.22	0.06	3.76	0.0002
VEG	0.53	0.20	2.74	0.0066

Aquatic vegetation control lag -1

Dependent variable is Ln(CPE) of age-1 largemouth bass.

R squared = 0.049

181 degrees of freedom

Power >= 0.99

<i>Source</i>	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F-ratio</i>
Regression	21.04	2	10.52	4.63
Residual	411.36	181	2.27	

<i>Variable</i>	<i>Coefficient</i>	<i>s.e. of Coeff</i>	<i>t-ratio</i>	<i>p-value</i>
Constant	4.77	0.27	17.70	<0.0001
ACP	0.19	0.06	2.96	0.0035
VEG	0.17	0.25	0.69	0.4893

Table 2. Continued.

## Largemouth bass stocking lag -1

Dependent variable is Ln(CPE) of age-1 largemouth bass.

R squared = 0.247

258 degrees of freedom

Power &gt;= 0.99

<i>Source</i>	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F-ratio</i>
Regression	163.59	3	54.53	28.1
Residual	500.00	258	1.94	

<i>Variable</i>	<i>Coefficient</i>	<i>s.e. of Coeff</i>	<i>t-ratio</i>	<i>p-value</i>
Constant	1.70	0.80	2.13	0.0345
ACP	0.61	0.07	8.79	<0.0001
MAN	0.01	<0.01	1.62	0.1064

## Water level manipulation lag -1

Dependent variable is Ln(CPE) of age-1 largemouth bass.

R squared = 0.177

396 degrees of freedom

<i>Source</i>	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F-ratio</i>
Regression	212.69	2	106.35	42.70
Residual	986.59	396	2.49	

<i>Variable</i>	<i>Coefficient</i>	<i>s.e. of Coeff</i>	<i>t-ratio</i>	<i>p-value</i>
Constant	3.92	0.15	25.70	<0.0001
ACP	0.35	0.04	8.63	<0.0001
WLM	0.01	<0.01	2.85	0.0046

Table 2. Continued.

Lake rehabilitation lag -1

Dependent variable is Ln(CPE) of age-1 largemouth bass.

R squared = 0.178

158 degrees of freedom

Power  $\geq$  0.99

<i>Source</i>	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F-ratio</i>
Regression	80.58	3	26.86	11.4
Residual	372.23	158	2.36	

<i>Variable</i>	<i>Coefficient</i>	<i>s.e. of Coeff</i>	<i>t-ratio</i>	<i>p-value</i>
Constant	5.36	0.38	14.1	<0.0001
ACP	0.28	0.06	4.43	<0.0001
PPT	-0.29	0.09	-3.47	0.0007
REH	-1.09	0.46	-2.36	0.0197

Lake rehabilitation lag -2

Dependent variable is Ln(CPE) of age-1 largemouth bass.

R squared = 0.205

175 degrees of freedom

Power  $\geq$  0.99

<i>Source</i>	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F-ratio</i>
Regression	122.44	2	61.22	22.5
Residual	476.11	175	2.72	

<i>Variable</i>	<i>Coefficient</i>	<i>s.e. of Coeff</i>	<i>t-ratio</i>	<i>p-value</i>
Constant	3.97	0.27	14.80	<0.0001
ACP	0.34	0.06	5.52	<0.0001
REH	1.79	0.48	3.76	0.0002

Table 2. Continued.

300 to 350 mm minimum length limit

Dependent variable is Ln(CPE) of adult size largemouth bass.

R squared = 0.063

329 degrees of freedom

Power >= 0.99

<i>Source</i>	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F-ratio</i>
Regression	68.41	2	34.20	11.00
Residual	1021.91	329	3.11	

<i>Variable</i>	<i>Coefficient</i>	<i>s.e. of Coeff</i>	<i>t-ratio</i>	<i>p-value</i>
Constant	4.99	0.24	21.00	<0.0001
ACP	-0.29	0.08	-3.53	0.0005
R14	0.75	0.20	3.69	0.0003

300 to 375 mm minimum length limit

Dependent variable is Ln(CPE1) of adult size largemouth bass.

R squared = 0.118

117 degrees of freedom

Power >= 0.99

<i>Source</i>	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F-ratio</i>
Regression	60.94	1	60.94	15.7
Residual	455.23	117	3.89	

<i>Variable</i>	<i>Coefficient</i>	<i>s.e. of Coeff</i>	<i>t-ratio</i>	<i>p-value</i>
Constant	4.24	0.21	19.90	<0.0001
R15	1.60	0.40	3.96	0.0001

Table 2. Continued.

300 to 300-375 mm slot length limit



Table 2. Continued.

Dependent variable is Ln(CPE1) of adult size largemouth bass.

R squared = 0.245

114 degrees of freedom

Power  $\geq 0.99$

<i>Source</i>	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F-ratio</i>
Regression	140.41	2	70.21	18.50
Residual	433.14	114	3.80	

<i>Variable</i>	<i>Coefficient</i>	<i>s.e. of Coeff</i>	<i>t-ratio</i>	<i>p-value</i>
Constant	-0.36	0.81	-0.44	0.6630
ACP	0.72	0.16	4.60	<0.0001
RSL	1.60	0.38	4.18	<0.0001

EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=0 LAKE :=CARLYLE LAKE  
DISTRICT :=00 YEAR :=97  
ACREAGE :22202 SAMPLING RATIO :=661/2772 = 23.8%  
NUMBER OF INTERVIEWS:3170

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
YEAR PERIOD 03/15 TO 04/08 OF SECTION 2  
YEAR PERIOD 04/09 TO 04/30 OF SECTION 2  
YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
YEAR PERIOD 06/16 TO 08/31 OF SECTION 2  
YEAR PERIOD 09/01 TO 09/30 OF SECTION 2  
YEAR PERIOD 10/01 TO 10/31 OF SECTION 2  
YEAR PERIOD 03/15 TO 04/08 OF SECTION 3  
YEAR PERIOD 04/09 TO 04/30 OF SECTION 3  
YEAR PERIOD 05/01 TO 05/31 OF SECTION 3  
YEAR PERIOD 06/01 TO 06/15 OF SECTION 3  
YEAR PERIOD 06/16 TO 08/31 OF SECTION 3  
YEAR PERIOD 09/01 TO 09/30 OF SECTION 3  
YEAR PERIOD 10/01 TO 10/31 OF SECTION 3  
YEAR PERIOD 03/15 TO 04/08 OF SECTION 4 COALESCED WITH  
YEAR PERIOD 04/09 TO 04/30 OF SECTION 4  
YEAR PERIOD 05/01 TO 05/31 OF SECTION 4 COALESCED WITH  
YEAR PERIOD 06/01 TO 06/15 OF SECTION 4  
YEAR PERIOD 06/16 TO 08/31 OF SECTION 4  
YEAR PERIOD 09/01 TO 09/30 OF SECTION 4  
YEAR PERIOD 10/01 TO 10/31 OF SECTION 4

	ANGL HRS	95% CONF INTVL	HRS/ ACRE	95% CONF INTVL	% EFF INTVD
BOAT FISHING:					
WEEKDAY	44631	39964-49293 (< 10%)	2	2-2 (< 10%)	5.74
WKND/HOL	37249	33144-41352 (< 11%)	2	1-2 (< 11%)	11.94
STR TOTAL	81879	75740-93013 (< 7%)	4	3-4 (< 7%)	8.56
SHORE FISHING:					
WEEKDAY	26953	24513-29403 (< 9%)	1	1-1 (< 9%)	6.10
WKND/HOL	13417	13473-20341 (< 10%)		-.91613 (< 10%)	11.25
STR TOTAL	45375	42287-48463 (< 7%)	2	2-2 (< 7%)	9.19
BOAT/SHORE COALESCED:					
WEEKDAY	71363	65511-77215 (< 8%)	3	3-3 (< 8%)	5.90
WKND/HOL	55412	50247-60577 (< 9%)	2	2-3 (< 9%)	11.76
STR TOTAL	126775	119054-134496 (< 6%)	6	5-6 (< 6%)	8.46
BOAT/SHORE STRATIFIED:					
WEEKDAY	71570	66347-76931 (< 7%)	3	3-3 (< 7%)	5.86
WKND/HOL	55667	51167-60167 (< 8%)	3	2-3 (< 8%)	11.71
STR TOTAL	127257	120407-134107 (< 5%)	6	5-6 (< 5%)	8.43

HARVESTED AND CPUE TABLE                      \*\*\* DAY \*\*\*  
 REGION        :=0                      LAKE :=CARLYLE LAKE  
 DISTRICT    :=00                      YEAR :=97  
 ACREAGE     :22202                      SAMPLING RATIO :=1322/5544 = 23.8%  
 RATIO OF EFFORT HOURS INTERVIEWED := 10726.9/127259.4 = 8.42%  
 NUMBER OF INTERVIEWS: 3170

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 3  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 3  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 3  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 3  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 3  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 3  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 3  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 4 COALESCED WITH  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 4  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 4 COALESCED WITH  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 4  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 4  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 4  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 4

## MSC SPECIES CAUGHT:

FRD BKB SHG CAP GSF YLB YEB BLB LOS GZS WAM SMB BGB

## SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVEST	95% CI	#/HA	#/ACRE
BLC	.017	.011-.023 ( 35 %)	2121	1376-2965 ( 35 %)	.24	.10
BLG	.085	.067-.104 ( 22 %)	12078	9129-15027 ( 24 %)	1.34	.55
CCF	.060	.048-.073 ( 20 %)	9298	7809-10787 ( 16 %)	1.03	.42
FCF	.000	.000-.000 ( 54 %)	177	87-267 ( 51 %)	.02	.00
LMB	.009	.006-.012 ( 35 %)	1452	1032-1972 ( 29 %)	.16	.07
SAR	*** NOT RECORDED ***		*** NOT RECORDED ***			
WAE	.000	+-0.000 (278 %)	12	+-44 (278 %)	.00	.00
WHB	.150	.121-.179 ( 19 %)	22731	18102-27359 ( 20 %)	2.53	1.03
WHC	.081	.059-.104 ( 27 %)	15409	12339-18479 ( 20 %)	1.71	.70
MSC	.021	.015-.027 ( 28 %)	2965	2245-3685 ( 24 %)	.33	.14
TOT	.425	.382-.469 ( 10 %)	66241	59177-73305 ( 11 %)	7.37	2.99

SPEC	KG/HR	95% CI	KG HARVEST	95% CI	KG/HA	AVG WT(G)
BLC	.005	.003-.007 ( 36 %)	627	398-857 ( 37 %)	.070	295.9
BLG	.009	.007-.011 ( 22 %)	1271	966-1577 ( 24 %)	.141	105.3
CCF	.042	.034-.049 ( 18 %)	6896	5717-8075 ( 17 %)	.768	741.7
FCF	.001	.000-.002 ( 62 %)	335	143-527 ( 57 %)	.037	1898.7
LMB	.010	.006-.014 ( 42 %)	1521	1015-2027 ( 33 %)	.169	1047.6
SAR	*** NOT RECORDED ***		*** NOT RECORDED ***			
WAE	.000	+-0.000 (278 %)	15	+-55 (278 %)	.002	1243.8
WHB	.035	.028-.041 ( 18 %)	5453	4392-6514 ( 19 %)	.607	239.9
WHC	.026	.019-.033 ( 26 %)	5019	3989-6048 ( 21 %)	.559	325.7
MSC	.008	.006-.011 ( 31 %)	1342	802-1881 ( 40 %)	.149	452.4
TOT	.136	.122-.150 ( 10 %)	22479	20090-24868 ( 11 %)	2.502	339.3

SPEC	LB/HR	95% CI	LB HARVEST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.011	.007-.015 ( 36 %)	1383	877-1890 ( 37 %)	.062	.6523
BLG	.020	.016-.024 ( 22 %)	2803	2130-3476 ( 24 %)	.126	.2321
CCF	.092	.076-.109 ( 18 %)	15208	12604-17803 ( 17 %)	.685	1.6351
FCF	.003	.001-.005 ( 62 %)	739	315-1163 ( 57 %)	.033	4.1860
LMB	.022	.012-.031 ( 42 %)	3353	2238-4468 ( 33 %)	.151	2.3094
SAR	*** NOT RECORDED ***		*** NOT RECORDED ***			
WAE	.000	+-0.000 (278 %)	32	+-122 (278 %)	.001	2.7421
WHB	.077	.063-.091 ( 18 %)	12021	9683-14360 ( 19 %)	.541	.5289
WHC	.057	.042-.072 ( 26 %)	11064	8794-13334 ( 21 %)	.498	.7181
MSC	.018	.013-.024 ( 31 %)	2958	1769-4146 ( 40 %)	.133	.9973
TOT	.300	.270-.330 ( 10 %)	49557	44290-54823 ( 11 %)	2.232	.7481

MSC SPECIES CAUGHT:

WHC LMB CCF WHB FCF BKB BLC BLG WAE GCS SAR SMB BGB

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVEST	95% CI	#/HA	#/ACRE
BLB	.003	.001-.005 ( 59 %)	424	201-647 ( 53 %)	.05	.02
CAP	.002	.001-.003 ( 54 %)	340	194-485 ( 43 %)	.04	.02
FRD	.011	.005-.016 ( 51 %)	1387	891-1883 ( 36 %)	.15	.06
GSF	.003	.000-.005 ( 66 %)	395	67-722 ( 83 %)	.04	.02
LOS	.000	+-.000 (142 %)	48	+-.111 (133 %)	.00	.00
SHG	*** NOT RECORDED ***		*** NOT RECORDED ***			
WAM	.000	+-.000 (318 %)	9	+-.39 (318 %)	.00	.00
YEB	.000	.000-.000 ( 83 %)	108	2-214 ( 98 %)	.01	.00
YLB	.000	+-.001 (103 %)	65	17-113 ( 73 %)	.00	.00
MSC	.405	.362-.447 ( 10 %)	63466	56593-70349 ( 11 %)	7.06	2.86
TOT	.425	.382-.469 ( 10 %)	66241	59177-73305 ( 11 %)	7.37	2.99

SPEC	KG/HR	95% CI	KG HARVEST	95% CI	KG/HA	AVG WT(G)
BLB	.001	.000-.002 ( 58 %)	185	89-282 ( 52 %)	.021	436.8
CAP	.001	.000-.002 ( 56 %)	194	76-313 ( 61 %)	.022	572.4
FRD	.004	.002-.007 ( 50 %)	607	404-810 ( 33 %)	.068	437.7
GSF	.000	.000-.000 ( 71 %)	40	10-70 ( 76 %)	.004	100.8
LOS	.000	+-.000 (151 %)	5	+-.11 (138 %)	.000	101.0
SHG	*** NOT RECORDED ***		*** NOT RECORDED ***			
WAM	.000	+-.000 (318 %)	2	+-.7 (318 %)	.000	166.3
YEB	.000	.000-.000 ( 85 %)	40	1-79 ( 97 %)	.004	371.2
YLB	.000	.000-.000 ( 97 %)	8	2-13 ( 75 %)	.000	115.7
MSC	.128	.115-.142 ( 10 %)	21398	19036-23711 ( 11 %)	2.382	337.2
TOT	.136	.122-.150 ( 10 %)	22479	20090-24868 ( 11 %)	2.502	339.3

SPEC	LB/HR	95% CI	LB HARVEST	95% CI	LB/ACRE	AVG WT(LB)
BLB	.003	.001-.005 ( 58 %)	408	195-621 ( 52 %)	.018	.9630
CAP	.003	.001-.004 ( 56 %)	429	168-690 ( 61 %)	.019	1.2620
FRD	.010	.005-.015 ( 50 %)	1338	890-1786 ( 33 %)	.060	.9649
GSF	.000	.000-.001 ( 71 %)	88	21-154 ( 76 %)	.004	.2223
LOS	.000	+-.000 (151 %)	11	+-.25 (138 %)	.000	.2226
SHG	*** NOT RECORDED ***		*** NOT RECORDED ***			
WAM	.000	+-.000 (318 %)	3	+-.14 (318 %)	.000	.3665
YEB	.000	.000-.000 ( 85 %)	89	3-175 ( 97 %)	.004	.8184
YLB	.000	.000-.000 ( 97 %)	17	1-29 ( 75 %)	.000	.2551
MSC	.293	.254-.312 ( 10 %)	47175	42076-52273 ( 11 %)	2.125	.7433
TOT	.300	.270-.330 ( 10 %)	49557	44290-54823 ( 11 %)	2.232	.7461

MSC SPECIES CAUGHT:

WHD LMB CCF WHB FRD FCF BLC BLG WAE SHG CAP GSF YLB YEB ELB LOS WAM SAR

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVEST	95% CI	#/HA	#/ACRE
BGB	.000	+- .000 (278 %)	29	+-110 (278 %)	.00	.00
BKE	.000	+- .000 (177 %)	21	+-60 (177 %)	.00	.00
GZS	.000	+- .001 (257 %)	139	+-497 (257 %)	.02	.00
SMB	*** NOT RECORDED ***		*** NOT RECORDED ***			
MSC	.425	.381-.468 ( 10 %)	66051	58991-73112 ( 11 %)	7.35	2.93
TOT	.425	.382-.469 ( 10 %)	66241	59177-73305 ( 11 %)	7.37	2.99

SPEC	KG/HR	95% CI	KG HARVEST	95% CI	KG/HA	AVG WT(G)
BGB	.000	+- .002 (278 %)	199	+-750 (278 %)	.022	6802.9
BKE	.000	+- .000 (222 %)	59	+-196 (231 %)	.007	2758.1
GZS	.000	+- .000 (257 %)	3	+-11 (257 %)	.000	22.8
SMB	*** NOT RECORDED ***		*** NOT RECORDED ***			
MSC	.136	.122-.149 ( 10 %)	22218	19864-24571 ( 11 %)	2.473	336.4
TOT	.136	.122-.150 ( 10 %)	22479	20090-24868 ( 11 %)	2.502	339.3

SPEC	LB/HR	95% CI	LB HARVEST	95% CI	LB/ACRE	AVG WT(LB)
BGB	.000	+- .004 (278 %)	438	+-1654 (278 %)	.020	14.9977
BKE	.000	+- .001 (222 %)	131	+-432 (231 %)	.006	6.0805
GZS	.000	+- .000 (257 %)	7	+-25 (257 %)	.000	.0502
SMB	*** NOT RECORDED ***		*** NOT RECORDED ***			
MSC	.299	.269-.329 ( 10 %)	48981	43793-54170 ( 11 %)	2.206	.7416
TOT	.300	.270-.330 ( 10 %)	49557	44290-54823 ( 11 %)	2.232	.7481

CAUGHT AND CPUE TABLE                    \*\*\* DAY \*\*\*  
 REGION       :=0                    LAKE :=CARLYLE LAKE  
 DISTRICT   :=00                    YEAR :=97  
 ACREAGE     :22202                SAMPLING RATIO :=1322/5544 = 23.8%  
 RATIO OF EFFORT HOURS INTERVIEWED := 10726.9/127259.4 = 8.42%  
 NUMBER OF INTERVIEWS: 3170

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 3  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 3  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 3  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 3  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 3  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 3  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 3  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 4 COALESCED WITH  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 4  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 4 COALESCED WITH  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 4  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 4  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 4  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 4

MSC SPECIES CAUGHT:

FRD BKB SHG CAP GSF YLB YEB BLB LOS GZS WAM SMB BGB

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLC	.046	.030-.062 ( 34 %)	5478	3709-7248 ( 32 %)	.61	.25
BLG	.151	.121-.181 ( 20 %)	24149	18955-29343 ( 22 %)	2.69	1.09
CCF	.079	.066-.093 ( 17 %)	12068	10305-13832 ( 15 %)	1.34	.55
FCF	.000	.000-.001 ( 47 %)	230	129-332 ( 44 %)	.03	.01
LMB	.140	.116-.163 ( 17 %)	23900	20564-27236 ( 14 %)	2.66	1.08
SAR	.000	+- .001 (201 %)	86	+-255 (197 %)	.00	.00
WAE	.004	+- .007 (100 %)	575	234-917 ( 59 %)	.06	.03
WHB	.358	.304-.411 ( 15 %)	55833	46223-65443 ( 17 %)	6.21	2.52
WHC	.236	.194-.279 ( 18 %)	39812	33428-46196 ( 16 %)	4.43	1.80
MSC	.094	.079-.110 ( 16 %)	12113	10306-13921 ( 15 %)	1.35	.55
TOT	1.109	1.019-1.200 ( 8 %)	174245	159246-189245 ( 9 %)	19.39	7.85

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLC	.009	.006-.011 ( 34 %)	1042	707-1377 ( 32 %)	.116	190.3
BLG	.012	.009-.014 ( 20 %)	1726	1360-2091 ( 21 %)	.192	71.5
CCF	.046	.038-.054 ( 17 %)	7574	6349-8798 ( 16 %)	.843	627.6
FCF	.001	.000-.002 ( 57 %)	372	176-567 ( 53 %)	.041	1614.6
LMB	.067	.055-.080 ( 19 %)	11941	10163-13718 ( 15 %)	1.329	499.6
SAR	.000	+- .000 (177 %)	5	+-14 (173 %)	.000	60.8
WAE	.000	.000-.001 ( 85 %)	106	23-189 ( 79 %)	.012	183.8
WHB	.056	.048-.064 ( 15 %)	8620	7211-10030 ( 16 %)	.959	154.4
WHC	.040	.032-.048 ( 19 %)	7301	6047-8554 ( 17 %)	.813	183.4
MSC	.022	.018-.025 ( 17 %)	3198	2547-3849 ( 20 %)	.356	264.0
TOT	.253	.232-.275 ( 9 %)	41884	38245-45528 ( 9 %)	4.661	240.4

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BLC	.019	.013-.025 ( 34 %)	2298	1559-3037 ( 32 %)	.103	.4194
BLG	.026	.021-.031 ( 20 %)	3805	2999-4611 ( 21 %)	.171	.1575
CCF	.101	.084-.118 ( 17 %)	16697	13997-19397 ( 16 %)	.752	1.3836
FCF	.003	.001-.005 ( 57 %)	820	389-1251 ( 53 %)	.037	3.5594
LMB	.149	.120-.177 ( 19 %)	26324	22405-30244 ( 15 %)	1.186	1.1014
SAR	.000	+- .000 (177 %)	11	+-31 (173 %)	.000	.1341
WAE	.001	.000-.002 ( 85 %)	233	50-417 ( 79 %)	.010	.4052
WHB	.123	.105-.142 ( 15 %)	19004	15897-22112 ( 16 %)	.856	.3404
WHC	.088	.071-.105 ( 19 %)	16095	13331-18859 ( 17 %)	.725	.4043
MSC	.048	.040-.056 ( 17 %)	7050	5615-8485 ( 20 %)	.318	.5820
TOT	.559	.511-.607 ( 9 %)	92338	84316-100359 ( 9 %)	4.159	.5299



## MSC SPECIES CAUGHT:

WHC LMB CCF WHB FCF BKB BLC BLG WAE GZS SAR SMB BGB

## SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLB	.004	.001-.007 ( 66 %)	569	223-914 ( 61 %)	.06	.03
CAP	.012	.008-.016 ( 34 %)	1308	968-1649 ( 26 %)	.15	.06
FRD	.067	.054-.080 ( 20 %)	8718	7155-10282 ( 18 %)	.97	.39
GSF	.003	.001-.005 ( 64 %)	431	93-770 ( 78 %)	.05	.02
LOS	.000	+-.000 (142 %)	48	+111 (133 %)	.00	.00
SHG	.000	+-.000 (147 %)	49	+114 (133 %)	.00	.00
WAM	.000	+-.000 (318 %)	9	+39 (318 %)	.00	.00
YEB	.005	.002-.009 ( 69 %)	495	221-768 ( 55 %)	.06	.02
YLB	.000	.000-.002 ( 69 %)	207	66-349 ( 68 %)	.02	.01
MSC	1.016	.927-1.105 ( 9 %)	162411	147757-177065 ( 9 %)	18.08	7.32
TOT	1.109	1.019-1.200 ( 8 %)	174245	159246-189245 ( 9 %)	19.37	7.85

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLB	.002	.000-.003 ( 59 %)	212	98-327 ( 54 %)	.024	373.6
CAP	.003	.002-.005 ( 31 %)	427	288-566 ( 33 %)	.048	326.4
FRD	.014	.011-.017 ( 21 %)	1961	1578-2344 ( 20 %)	.218	224.9
GSF	.000	.000-.000 ( 69 %)	41	11-71 ( 74 %)	.005	95.1
LOS	.000	+-.000 (151 %)	5	+11 (138 %)	.000	101.0
SHG	.000	+-.000 (145 %)	21	+47 (130 %)	.002	421.9
WAM	.000	+-.000 (318 %)	2	+7 (318 %)	.000	166.3
YEB	.001	.000-.002 ( 70 %)	141	56-225 ( 60 %)	.016	284.3
YLB	.000	.000-.000 ( 66 %)	23	7-39 ( 68 %)	.003	110.8
MSC	.232	.211-.254 ( 9 %)	39052	35531-42573 ( 9 %)	4.346	240.5
TOT	.253	.232-.275 ( 9 %)	41884	38245-45523 ( 9 %)	4.661	240.4

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BLB	.004	.001-.006 ( 59 %)	468	216-721 ( 54 %)	.021	.8236
CAP	.008	.005-.010 ( 31 %)	941	635-1248 ( 33 %)	.042	.7196
FRD	.031	.024-.037 ( 21 %)	4323	3480-5167 ( 20 %)	.195	.4959
GSF	.000	.000-.001 ( 69 %)	90	24-157 ( 74 %)	.004	.2096
LOS	.000	+-.000 (151 %)	11	+25 (138 %)	.000	.2226
SHG	.000	+-.000 (145 %)	45	+104 (130 %)	.002	.9301
WAM	.000	+-.000 (318 %)	3	+14 (318 %)	.000	.3665
YEB	.003	.000-.005 ( 70 %)	310	123-497 ( 60 %)	.014	.6268
YLB	.000	.000-.000 ( 66 %)	51	16-85 ( 68 %)	.002	.2443
MSC	.513	.466-.559 ( 9 %)	86094	78332-93856 ( 9 %)	3.878	.5301
TOT	.559	.511-.607 ( 9 %)	92338	84316-100359 ( 9 %)	4.159	.5299

## MSC SPECIES CAUGHT:

WHC LMB CCF WHB FRD FCF BLC BLG WAE SHG CAP GSF YLB YEB BLB LOS WAM SAR

## SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BGB	.000	+- .000 (278 %)	29	+-110 (278 %)	.00	.00
BKB	.000	+- .000 (107 %)	89	+-194 (119 %)	.00	.00
GZS	.000	+- .002 (241 %)	145	+-503 (246 %)	.02	.00
SMB	.000	+- .000 (220 %)	16	+-50 (220 %)	.00	.00
MSC	1.109	1.018-1.199 ( 8 %)	173967	158963-188970 ( 9 %)	19.36	7.84
TOT	1.109	1.019-1.200 ( 8 %)	174245	159246-189245 ( 9 %)	19.39	7.85

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BGB	.000	+- .002 (278 %)	199	+-750 (278 %)	.022	6902.9
BKB	.000	+- .000 (106 %)	162	+-381 (135 %)	.018	1823.5
GZS	.000	+- .000 (254 %)	3	+-11 (255 %)	.000	22.0
SMB	.000	+- .000 (220 %)	2	+-6 (220 %)	.000	120.0
MSC	.253	.231-.274 ( 9 %)	41518	37905-45132 ( 9 %)	4.621	238.7
TOT	.253	.232-.275 ( 9 %)	41884	38245-45523 ( 9 %)	4.661	240.4

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BGB	.000	+- .004 (278 %)	438	+-1654 (278 %)	.020	14.9977
BKB	.000	+- .002 (106 %)	357	+-840 (135 %)	.016	4.0201
GZS	.000	+- .000 (254 %)	7	+-25 (255 %)	.000	.0485
SMB	.000	+- .000 (220 %)	4	+-13 (220 %)	.000	.2645
MSC	.557	.509-.605 ( 9 %)	91531	83565-99497 ( 9 %)	4.123	.5261
TOT	.559	.511-.607 ( 9 %)	92338	84316-100359 ( 9 %)	4.159	.5299

TABLE CARLYLE LAKE 1997 DAY CREEL FINAL REPORT  
DAYTIME DATA FOR LAKE=CARLYLE LAKE CREEL BEGUN IN YEAR=97

SECTION 2	FROM	03/15	TO	04/08
SECTION 2	FROM	04/09	TO	04/30
SECTION 2	FROM	05/01	TO	05/31
SECTION 2	FROM	06/01	TO	06/15
SECTION 2	FROM	06/16	TO	08/31
SECTION 2	FROM	09/01	TO	09/30
SECTION 2	FROM	10/01	TO	10/31
SECTION 3	FROM	03/15	TO	04/08
SECTION 3	FROM	04/09	TO	04/30
SECTION 3	FROM	05/01	TO	05/31
SECTION 3	FROM	06/01	TO	06/15
SECTION 3	FROM	06/16	TO	08/31
SECTION 3	FROM	09/01	TO	09/30
SECTION 3	FROM	10/01	TO	10/31
SECTION 4	FROM	03/15	TO	04/08
SECTION 4	FROM	04/09	TO	04/30
SECTION 4	FROM	05/01	TO	05/31
SECTION 4	FROM	06/01	TO	06/15
SECTION 4	FROM	06/16	TO	08/31
SECTION 4	FROM	09/01	TO	09/30
SECTION 4	FROM	10/01	TO	10/31
SECTION 5	FROM	03/15	TO	04/08
SECTION 5	FROM	04/09	TO	04/30
SECTION 5	FROM	05/01	TO	05/31
SECTION 5	FROM	06/01	TO	06/15
SECTION 5	FROM	06/16	TO	08/31
SECTION 5	FROM	09/01	TO	09/30
SECTION 5	FROM	10/01	TO	10/31

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TABLE CARLYLE LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE LAKE CREEL BEGUN IN YEAR=97

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF.INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.3	4.1 - 4.5 ( 5%)	.4	13.5	402
SHORE	2.3	2.1 - 2.6 ( 12%)	.2	8.1	123
BOAT & SHORE	3.9	3.7 - 4 ( 5%)	.2	13.5	525

297 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
 18% OF ALL 2920 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF.INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	39.2	37.9 - 40.4 ( 3%)	0	470	2418
SUCCESS RATING 1-10?	2.9	2.8 - 3 ( 3%)	0	10	2408

IS CATCH ILLEGAL?

CLERK NOTED 27 OUT OF 2920 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT				PARTY SIZE VS. # INTERVIEWS			
				BOAT		SHORE	
ANY	438 ( 15%)	LMB	494 ( 16.9%)	1	407	1	695
CRP	766 ( 26.2%)	CAT	214 ( 7.3%)	2	912	2	599
WAE	5 ( .2%)	CCF	405 ( 13.9%)	3	159	3	86
WHB	547 ( 18.7%)	BLG	38 ( 1.3%)	4	28	4	28
CAP	3 ( .1%)	WHC	10 ( .3%)	5	2	5	2
				6		6	
				7		7	
				8		8	
				9		9	
				10+		10+	2

TABLE CARLYLE LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLG	#ANGLERS	#BLC	#ANGLERS	#BLC	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS
0	880	0	898	16		0	812	16	
1	22	1	15	17		1	40	17	
2	18	2	11	18		2	19	18	
3	6	3	5	19		3	11	19	
4	1	4	5	20		4	20	20	
5	5	5		21		5	6	21	
6	2	6	2	22		6	14	22	
7		7		23		7		23	
8		8	1	24		8	7	24	
9		9		25		9	2	25	
10		10		26		10	5	26	
11		11		27		11	1	27	
12	2	12		28		12		28	
13		13		29		13		29	
14	1	14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLG	#ANGLERS	#BLC	#ANGLERS	#BLC	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS
0	887	0	905	16		0	799	16	
1	19	1	6	17		1	22	17	
2	12	2	2	18		2	31	18	
3	7	3	4	19		3	17	19	
4		4	5	20		4	19	20	1
5	5	5	4	21		5	14	21	
6	3	6		22		6	8	22	
7		7	2	23		7	5	23	1
8		8	2	24		8	4	24	
9		9		25		9		25	1
10		10		26		10	7	26	
11		11		27		11		27	
12		12		28		12	3	28	
13		13	6	29		13	2	29	
14		14		30		14		30	
15+	4	15		31+	1	15	2	31+	1

(TAXA FOR L.FREQS.= BLG BLC WHC )

TABLE CARLYLE LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#LMB	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS	#FCF	#ANGLERS	#FCF	#ANGLERS
0	887	0	788	16		0	930	16	
1	47	1	70	17		1	7	17	
2	2	2	47	18		2		18	
3	1	3	12	19		3		19	
4		4	12	20		4		20	
5		5	4	21		5		21	
6		6	2	22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10	2	26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#LMB	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS	#FCF	#ANGLERS	#FCF	#ANGLERS
0	668	0	889	16		0	937	16	
1	131	1	23	17		1		17	
2	69	2	11	18		2		18	
3	19	3	8	19		3		19	
4	14	4	2	20		4		20	
5	13	5	2	21		5		21	
6	8	6	2	22		6		22	
7	7	7		23		7		23	
8		8		24		8		24	
9	3	9		25		9		25	
10	2	10		26		10		26	
11	3	11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= LMB CCF FCF )

TABLE CARLYLE LAKE 1997 DAY CREEL FINAL REPORT CONTINUED

DAYTIME DATA FOR LAKE=CARLYLE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SAR	#ANGLERS	#WAE	#ANGLERS	#WAE	#ANGLERS	#WHB	#ANGLERS	#WHB	#ANGLERS
0	937	0	937	16		0	772	16	2
1		1		17		1	38	17	
2		2		18		2	30	18	
3		3		19		3	17	19	
4		4		20		4	19	20	
5		5		21		5	14	21	1
6		6		22		6	13	22	
7		7		23		7	7	23	1
8		8		24		8	4	24	
9		9		25		9	7	25	1
10		10		26		10	6	26	
11		11		27		11	2	27	
12		12		28		12		28	
13		13		29		13	2	29	
14		14		30		14		30	1
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SAR	#ANGLERS	#WAE	#ANGLERS	#WAE	#ANGLERS	#WHB	#ANGLERS	#WHB	#ANGLERS
0	937	0	931	16		0	757	16	
1		1	4	17		1	47	17	
2		2	2	18		2	29	18	5
3		3		19		3	24	19	
4		4		20		4	9	20	3
5		5		21		5	13	21	
6		6		22		6	2	22	
7		7		23		7	4	23	2
8		8		24		8	11	24	
9		9		25		9		25	2
10		10		26		10	9	26	
11		11		27		11		27	
12		12		28		12	2	28	2
13		13		29		13	4	29	
14		14		30		14	1	30	
15+		15		31+		15	10	31+	1

(TAXA FOR L.FREQS.= SAR WAE WHB )

TABLE CARLYLE LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#YLB	#ANGLERS	#BLB	#ANGLERS	#BLB	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS
0	937	0	933	16		0	937	16	
1		1	4	17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#YLB	#ANGLERS	#BLB	#ANGLERS	#BLB	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS
0	931	0	937	16		0	934	16	
1	4	1		17		1	3	17	
2	2	2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= YLB BLB YEB )



TABLE CARLYLE LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#GSF	#ANGLERS	#LOS	#ANGLERS	#LOS	#ANGLERS	#WAM	#ANGLERS	#WAM	#ANGLERS
0	937	0	937	16		0	937	16	
1		1		17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#GSF	#ANGLERS	#LOS	#ANGLERS	#LOS	#ANGLERS	#WAM	#ANGLERS	#WAM	#ANGLERS
0	937	0	937	16		0	937	16	
1		1		17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= GSF LOS WAM )

TABLE CARLYLE LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SMB	#ANGLERS	#BGB	#ANGLERS	#BGB	#ANGLERS	#BKB	#ANGLERS	#BKB	#ANGLERS
0	937	0	937	16		0	937	16	
1		1		17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SMB	#ANGLERS	#BGB	#ANGLERS	#BGB	#ANGLERS	#BKB	#ANGLERS	#BKB	#ANGLERS
0	937	0	937	16		0	937	16	
1		1		17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= SMB BGB BKB )

TABLE CARLYLE LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CAP	#ANGLERS	#FRD	#ANGLERS	#FRD	#ANGLERS	#SHG	#ANGLERS	#SHG	#ANGLERS
0	924	0	928	16		0	937	16	
1	11	1	4	17		1		17	
2	2	2	5	18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CAP	#ANGLERS	#FRD	#ANGLERS	#FRD	#ANGLERS	#SHG	#ANGLERS	#SHG	#ANGLERS
0	931	0	868	16		0	926	16	
1	4	1	28	17		1	11	17	
2	2	2	18	18		2		18	
3		3	7	19		3		19	
4		4	7	20		4		20	
5		5	7	21		5		21	
6		6	2	22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= CAP FRD SHG )

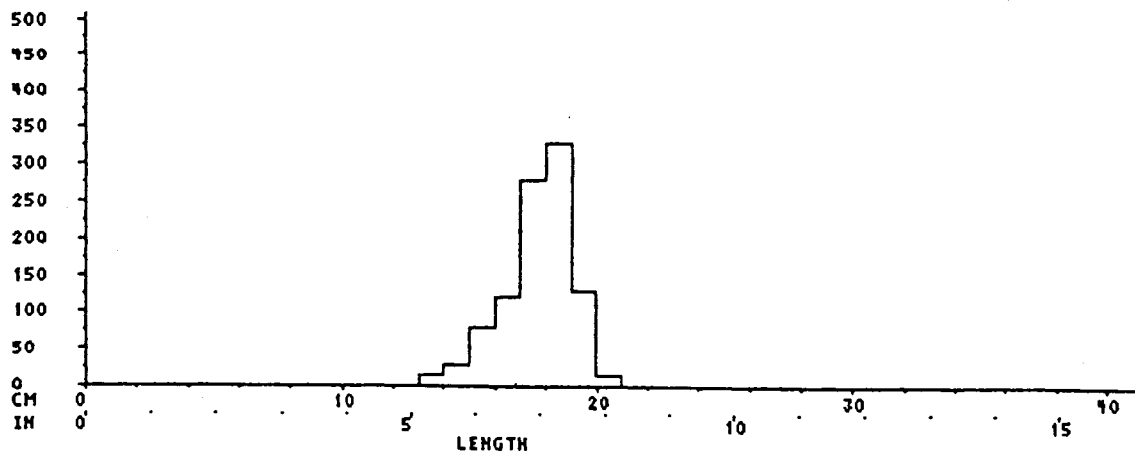


FIGURE 1. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 991 INDIVIDUALS

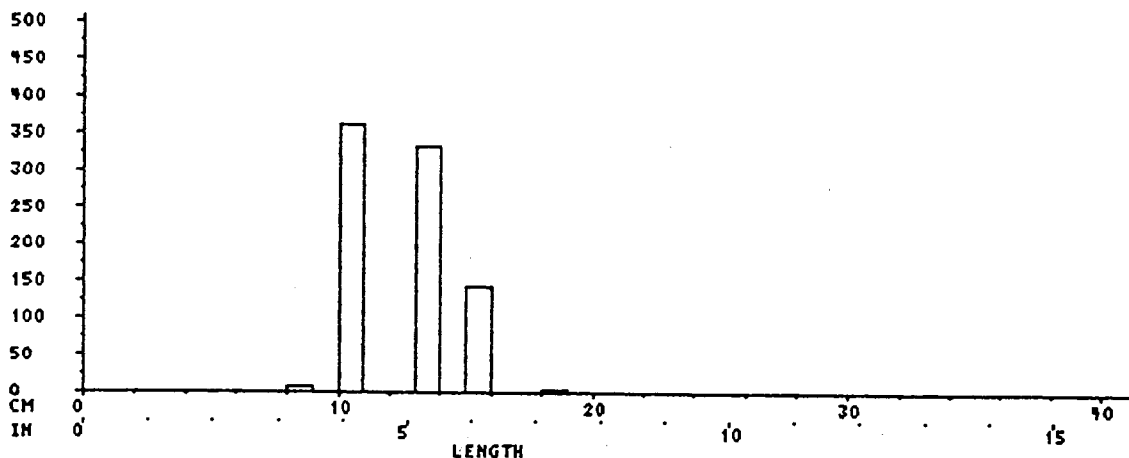


FIGURE 2. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 848 INDIVIDUALS

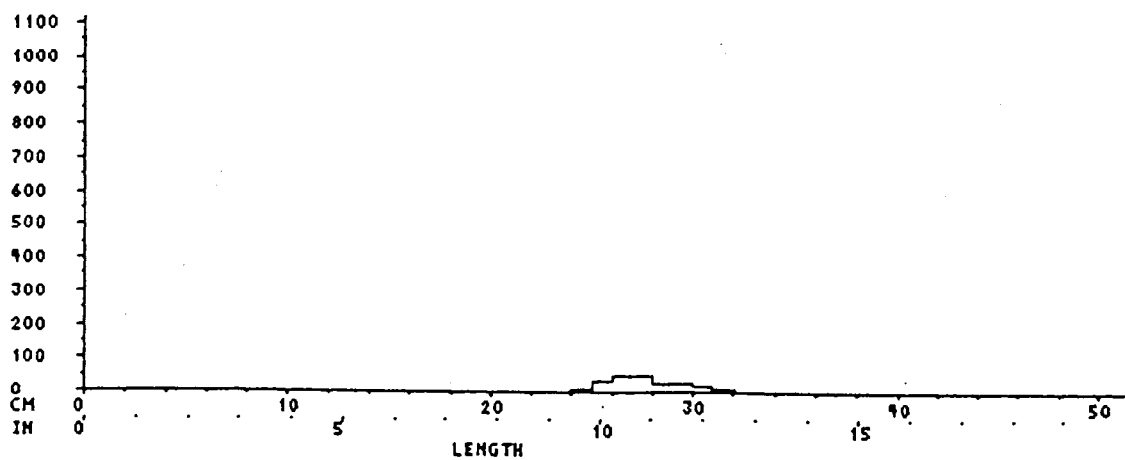


FIGURE 3. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 220 INDIVIDUALS

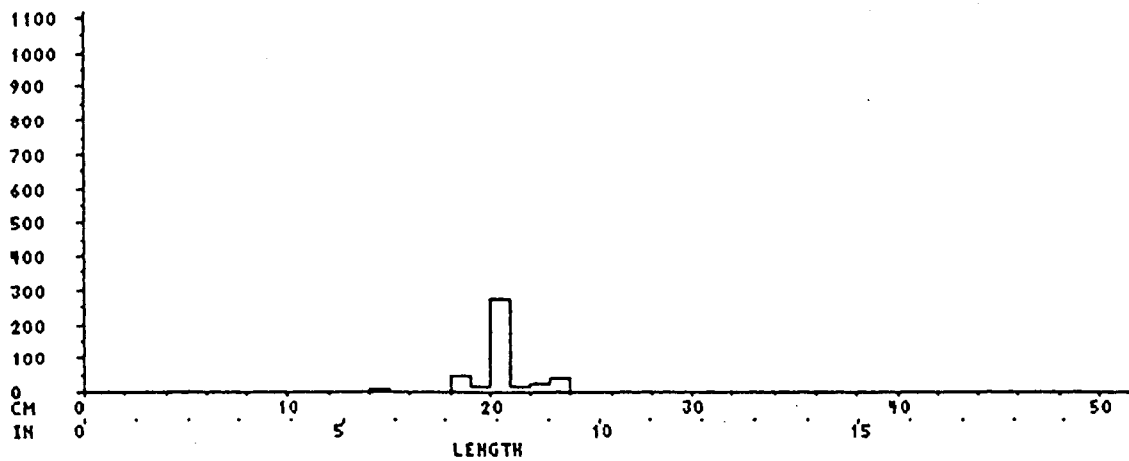


FIGURE 4. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 429 INDIVIDUALS

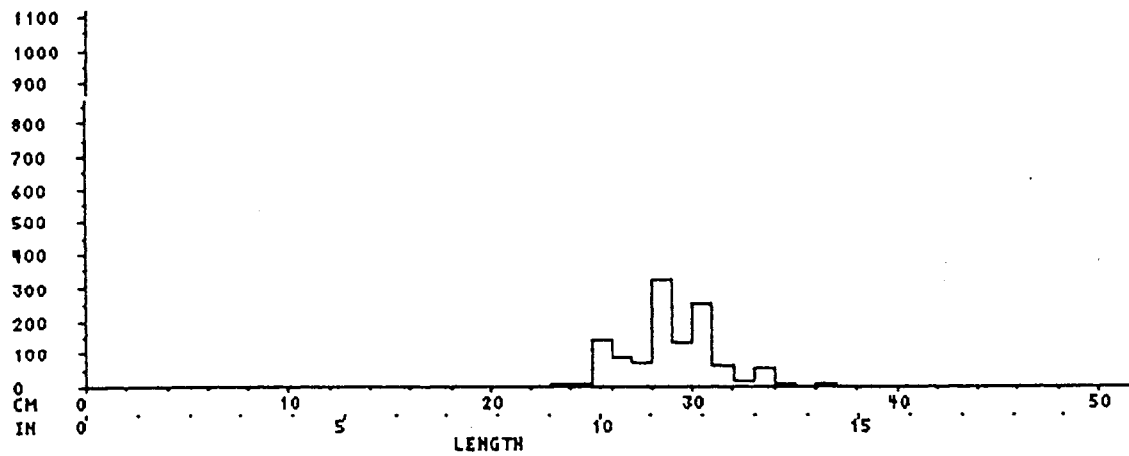


FIGURE 5. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'WHC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1169 INDIVIDUALS

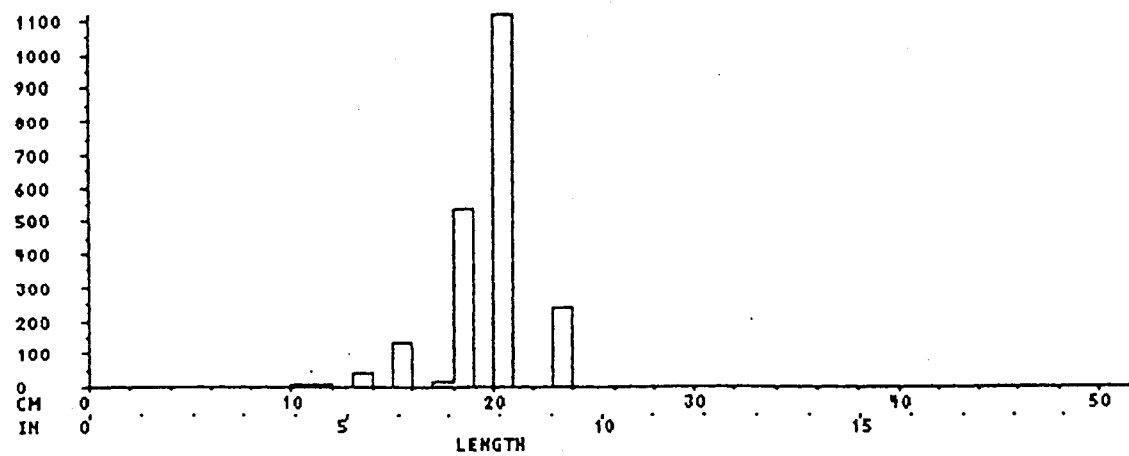


FIGURE 6. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'WHC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 2091 INDIVIDUALS

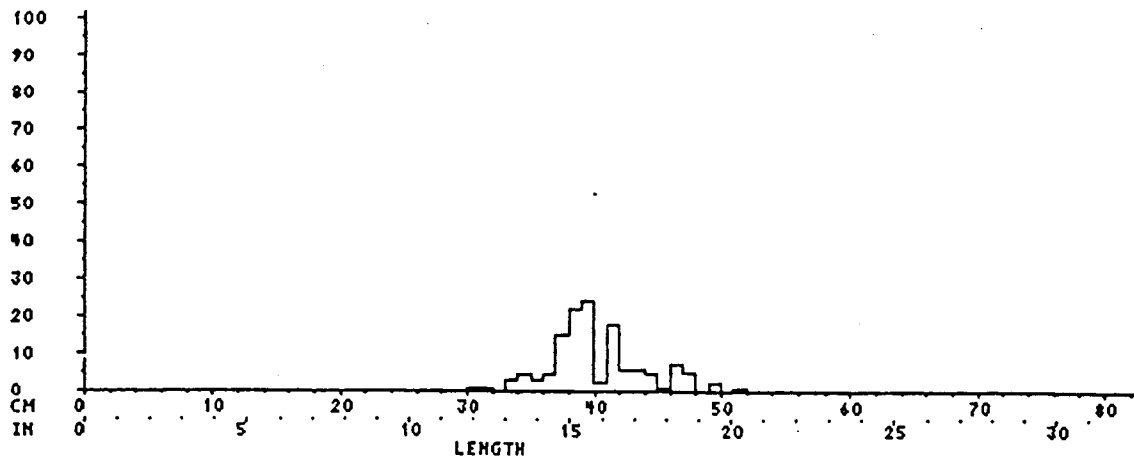


FIGURE 7. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 129 INDIVIDUALS

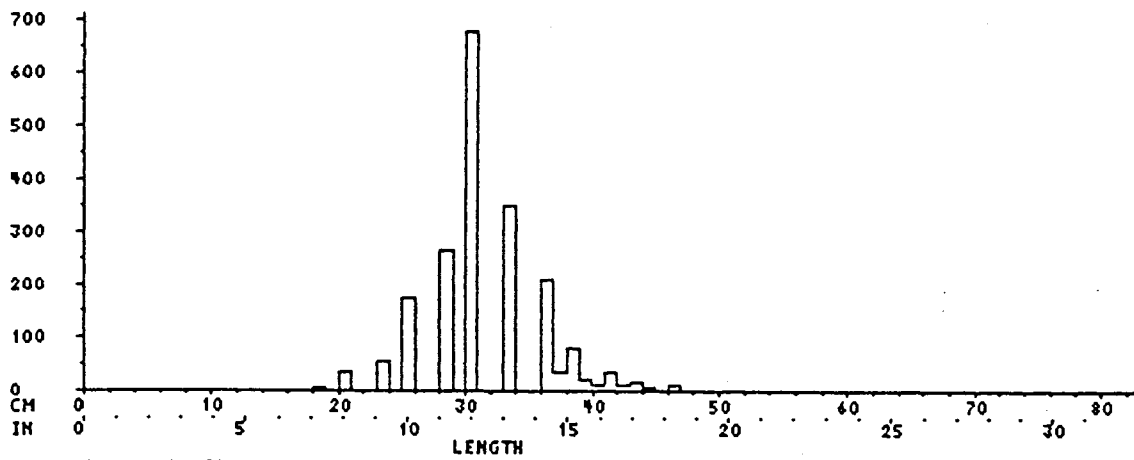


FIGURE 8. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 2017 INDIVIDUALS

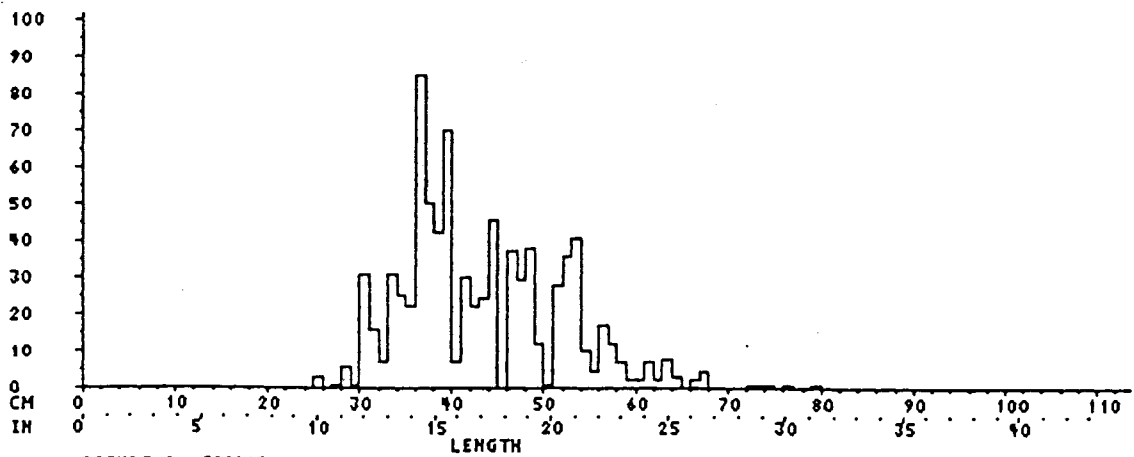


FIGURE 9. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 824 INDIVIDUALS

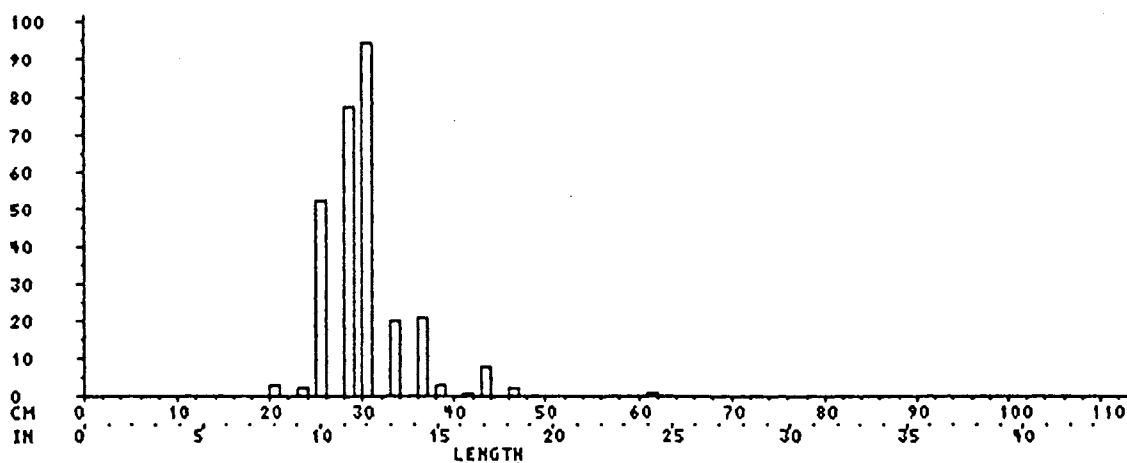


FIGURE 10. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 284 INDIVIDUALS

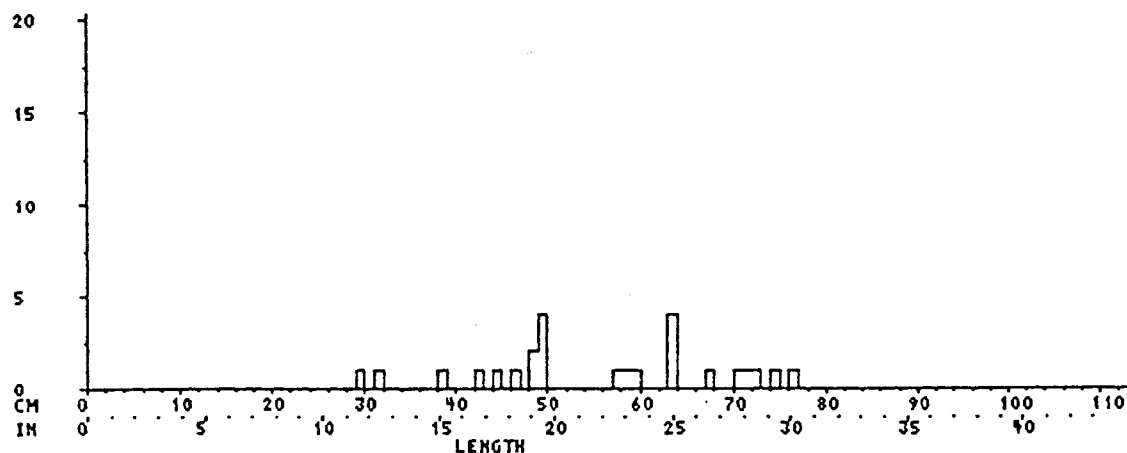


FIGURE 11. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'FCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 25 INDIVIDUALS

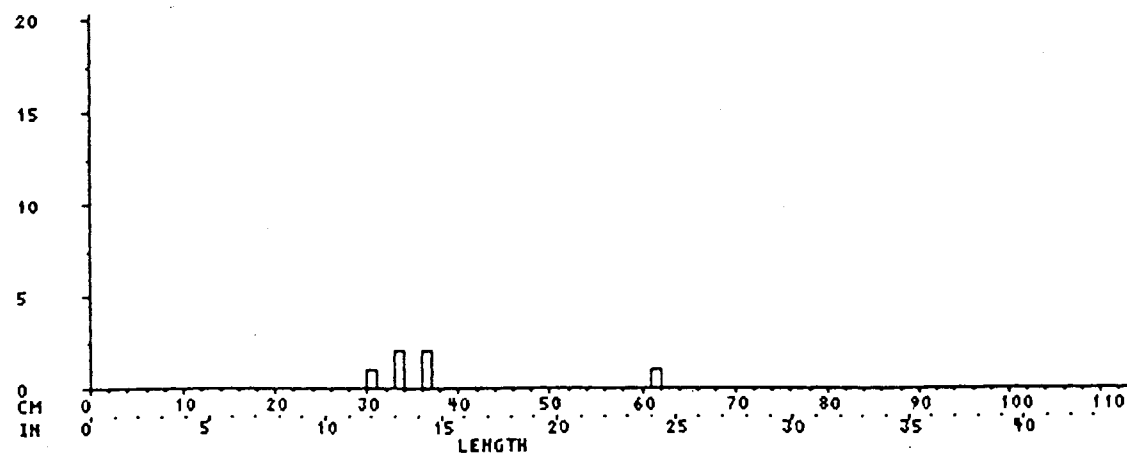


FIGURE 12. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'FCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 6 INDIVIDUALS

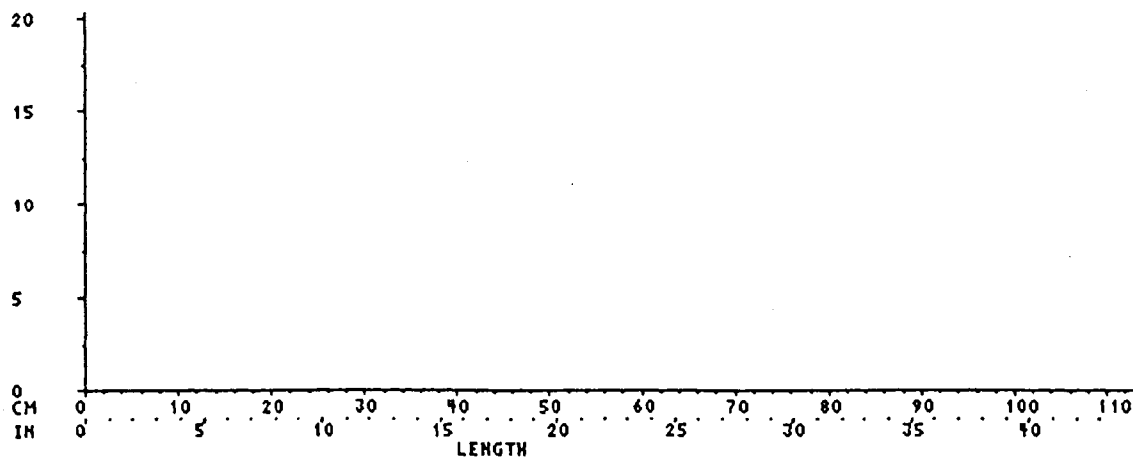


FIGURE 13. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'SAR' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

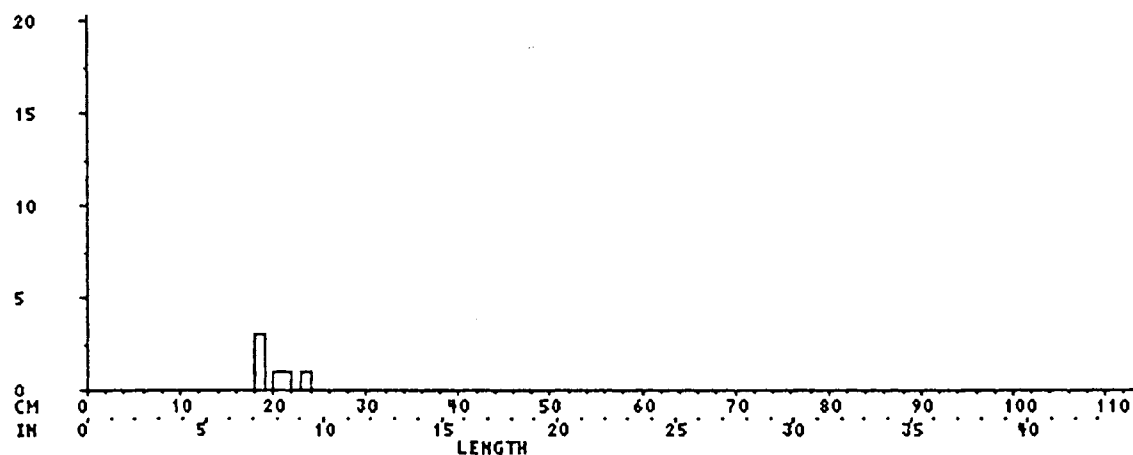


FIGURE 14. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'SAR' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 6 INDIVIDUALS

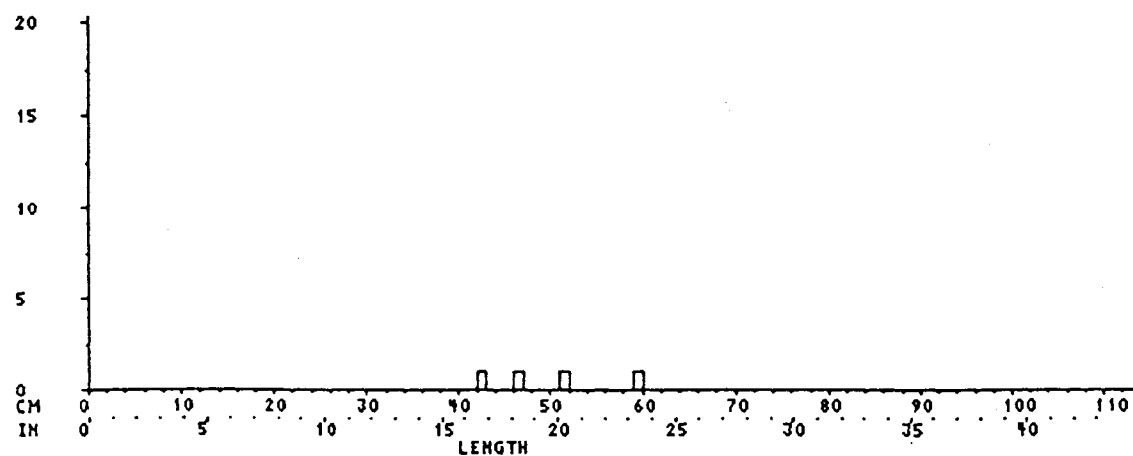


FIGURE 15. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'WAE' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 4 INDIVIDUALS



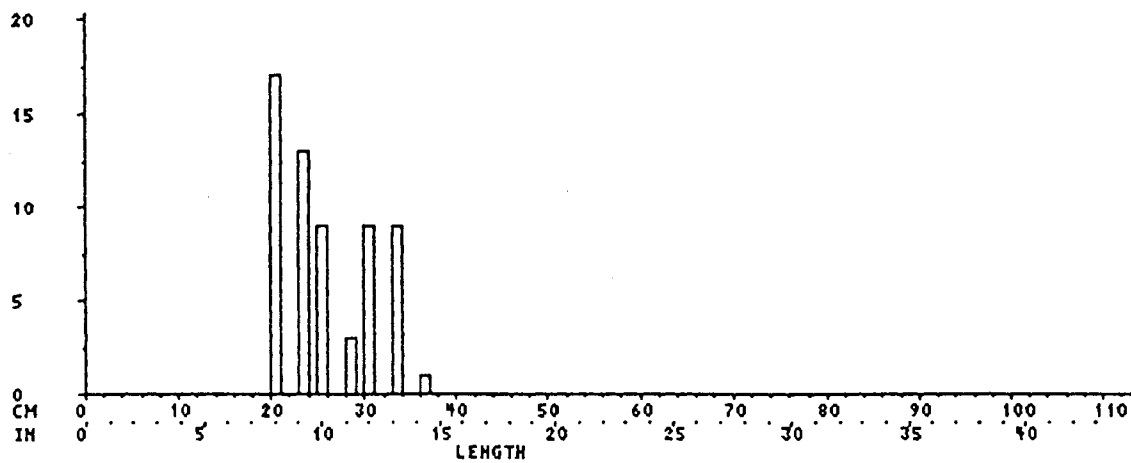


FIGURE 16. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'WAE' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 61 INDIVIDUALS

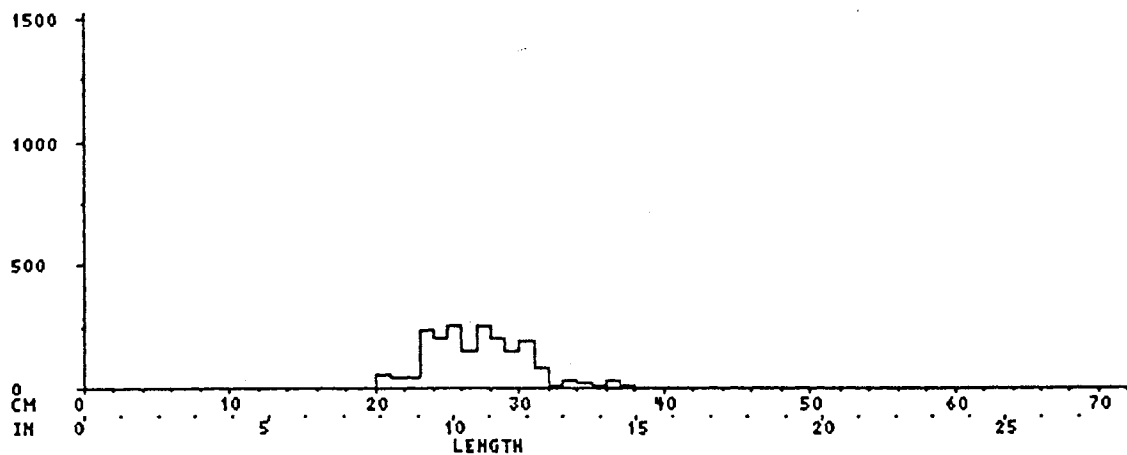


FIGURE 17. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'WHB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 1989 INDIVIDUALS

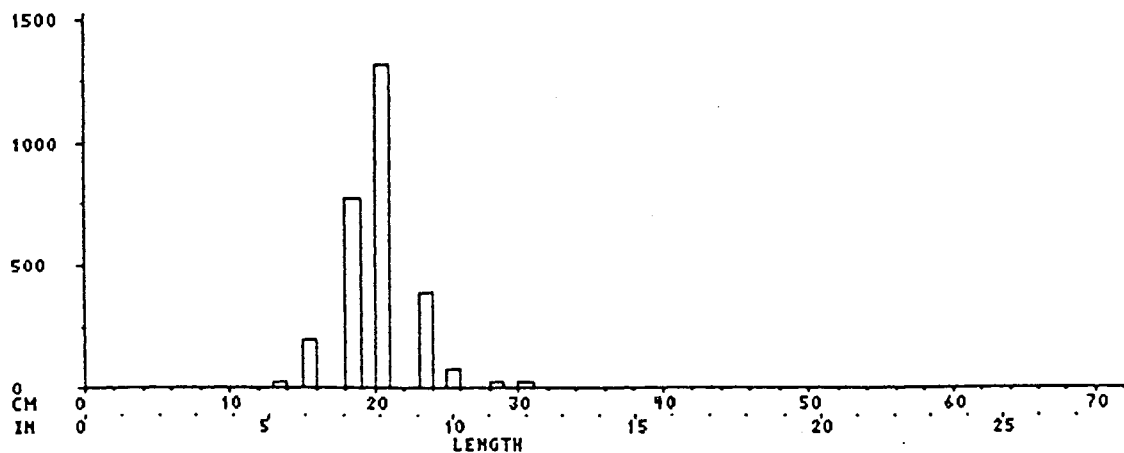


FIGURE 18. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'WHB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 2809 INDIVIDUALS

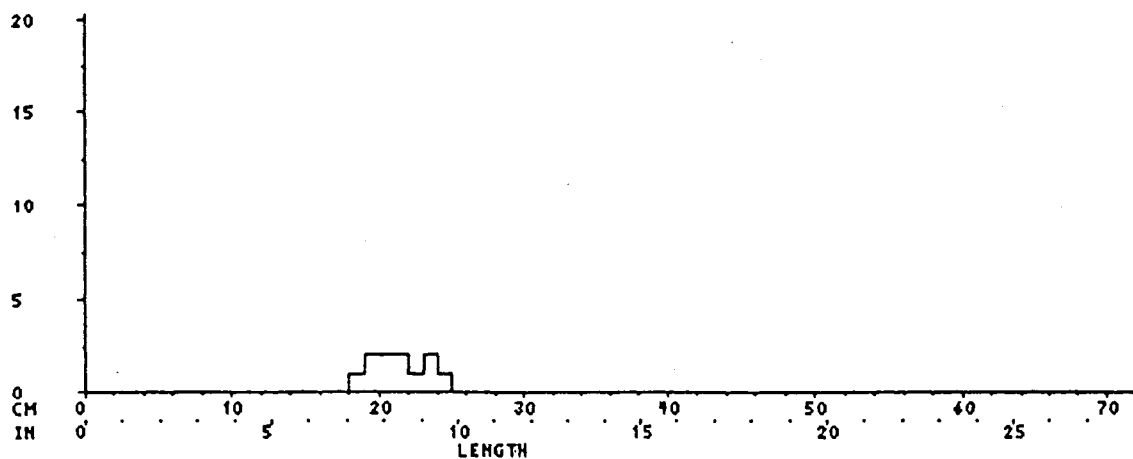


FIGURE 19. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'YLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 11 INDIVIDUALS

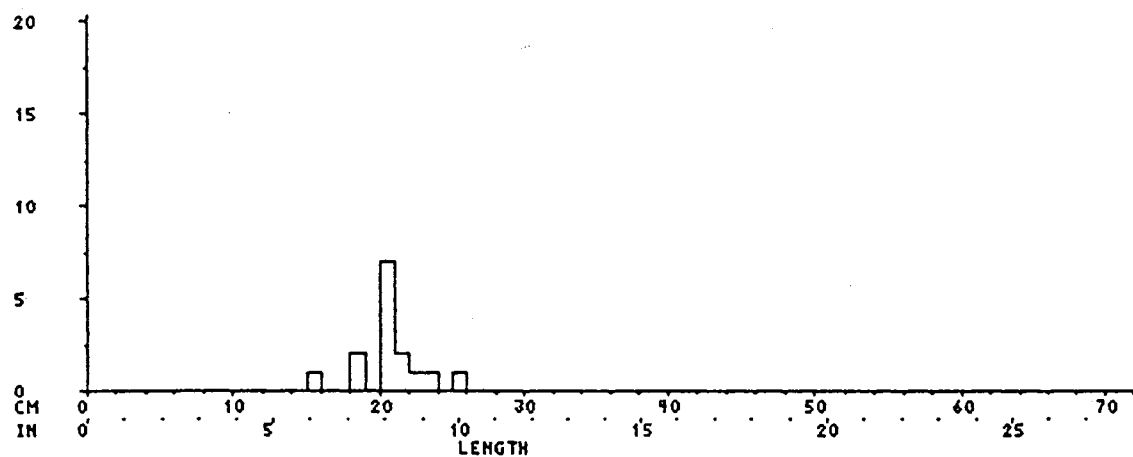


FIGURE 20. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'YLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 15 INDIVIDUALS

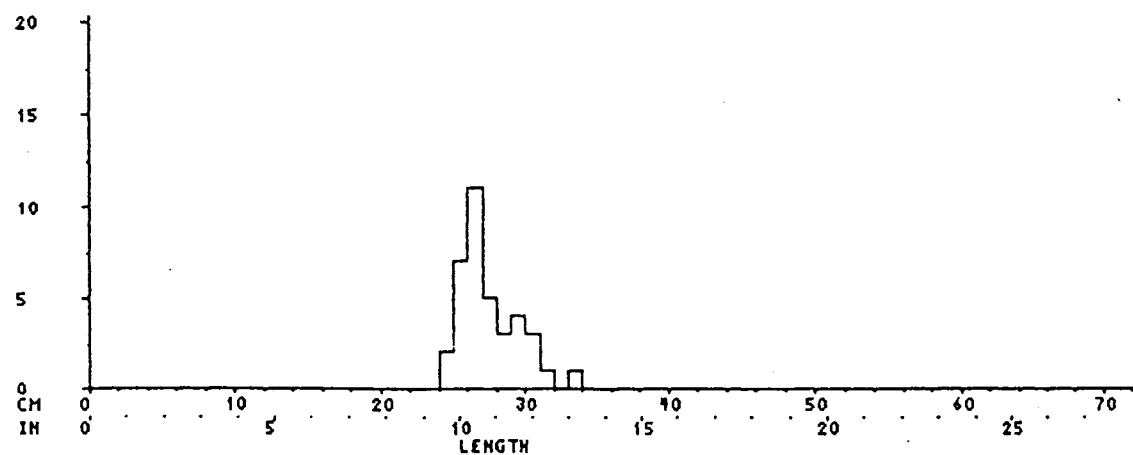


FIGURE 21. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 37 INDIVIDUALS

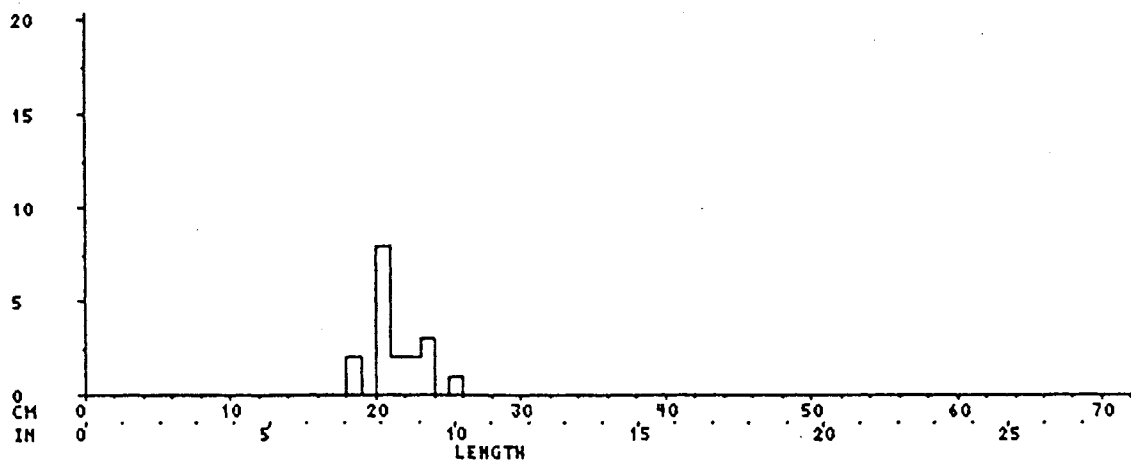


FIGURE 22. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 18 INDIVIDUALS

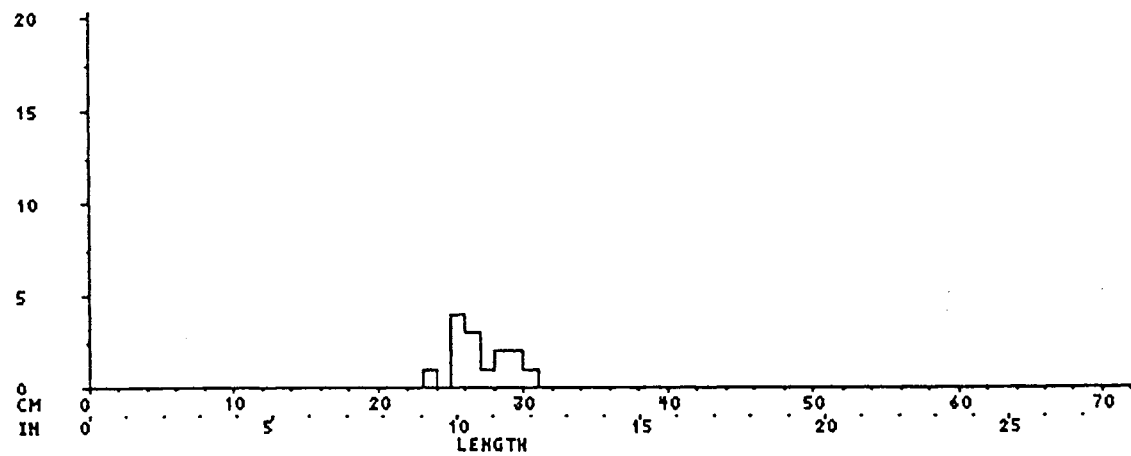


FIGURE 23. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'YEB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 14 INDIVIDUALS

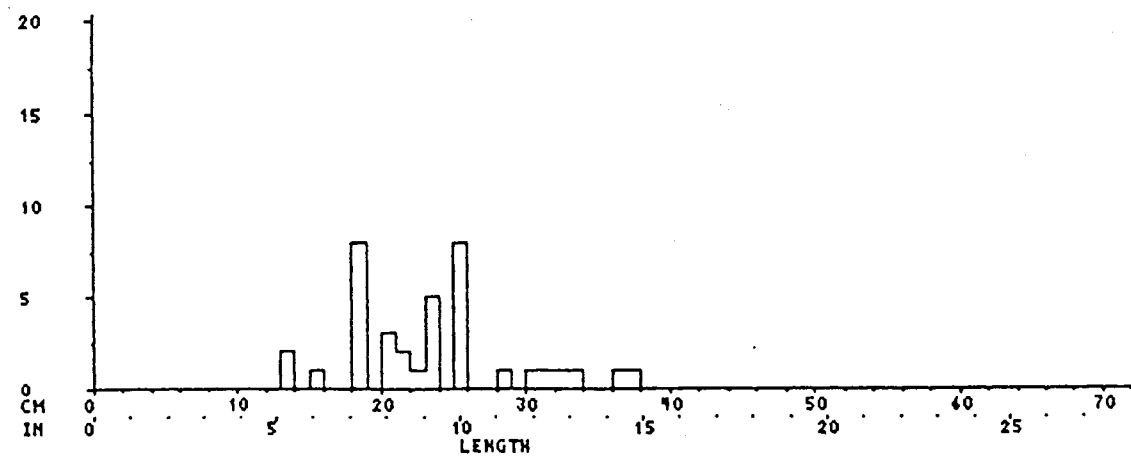


FIGURE 24. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'YEB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 37 INDIVIDUALS

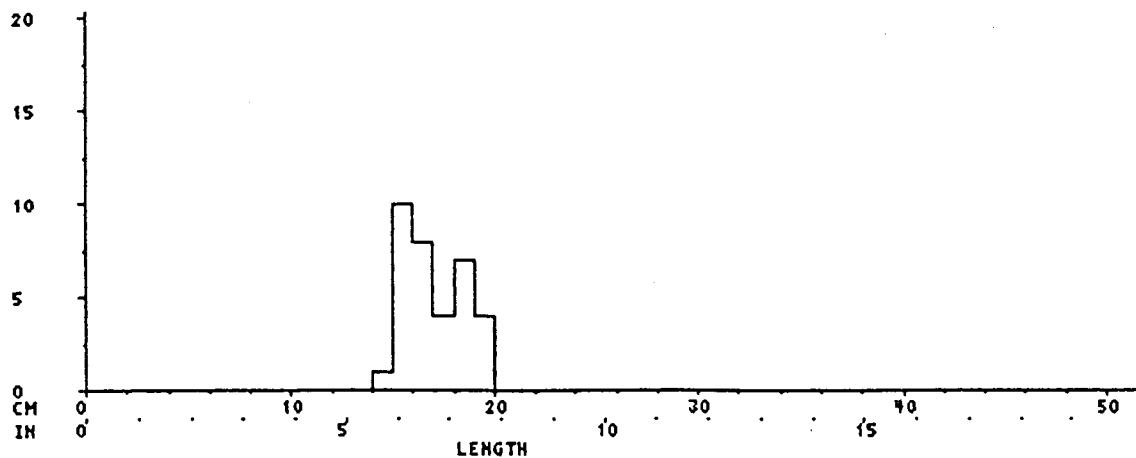


FIGURE 25. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'GSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 34 INDIVIDUALS

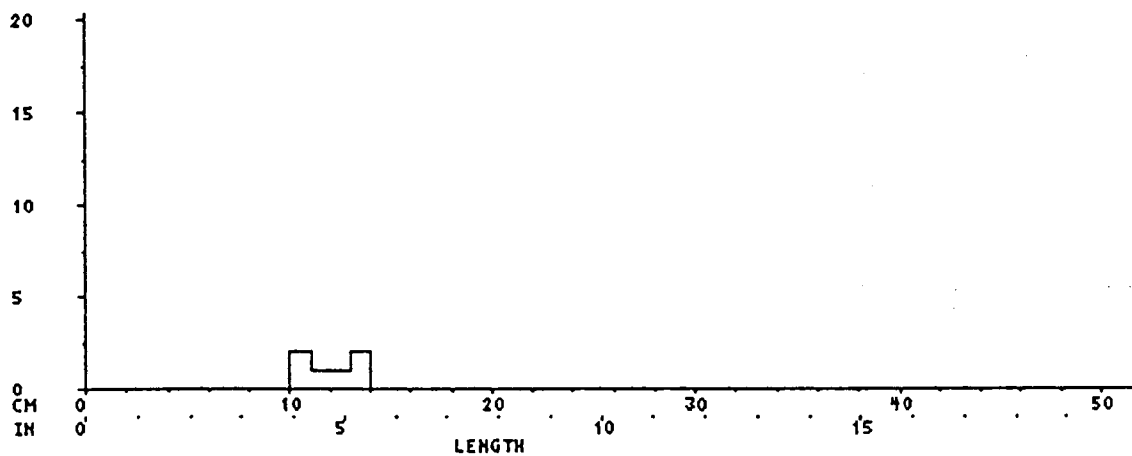


FIGURE 26. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'GSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 6 INDIVIDUALS

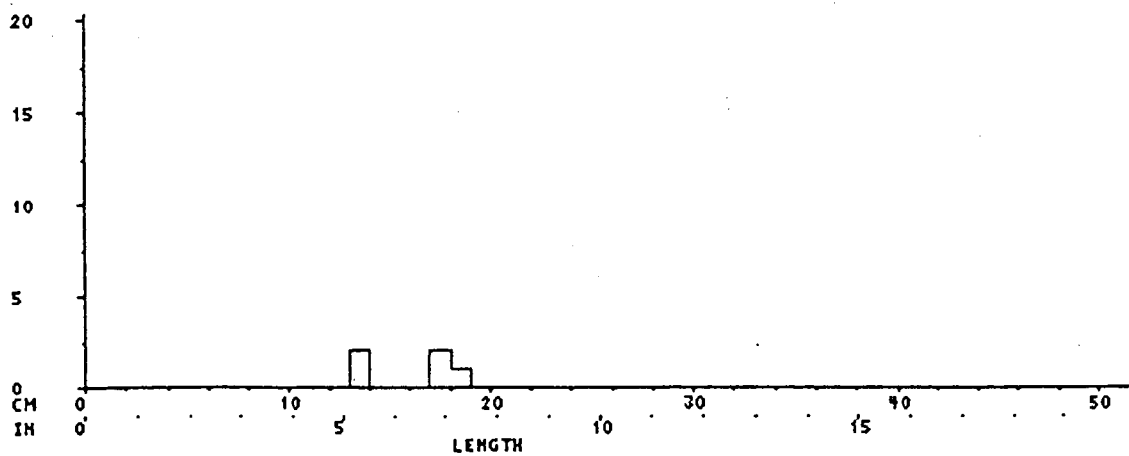


FIGURE 27. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'LOS' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 5 INDIVIDUALS

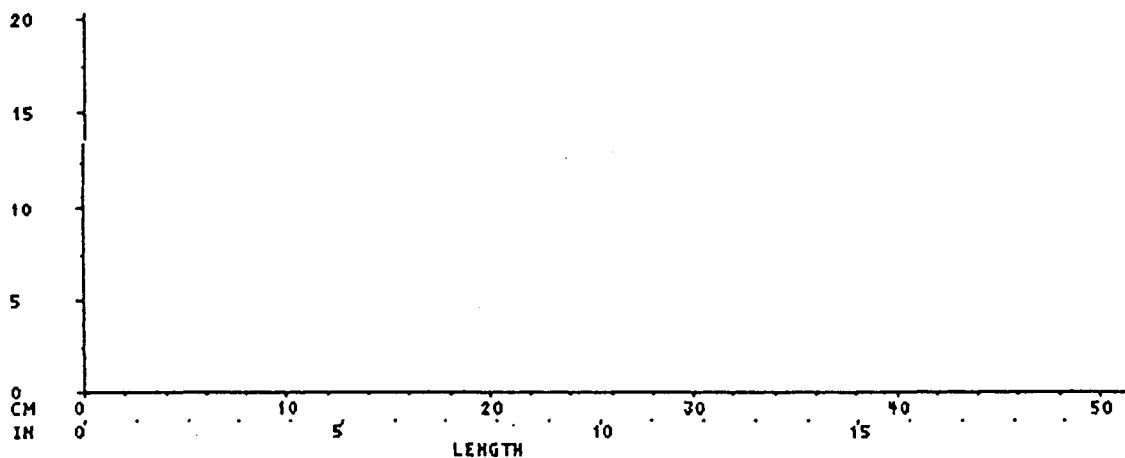


FIGURE 28. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'LOS' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

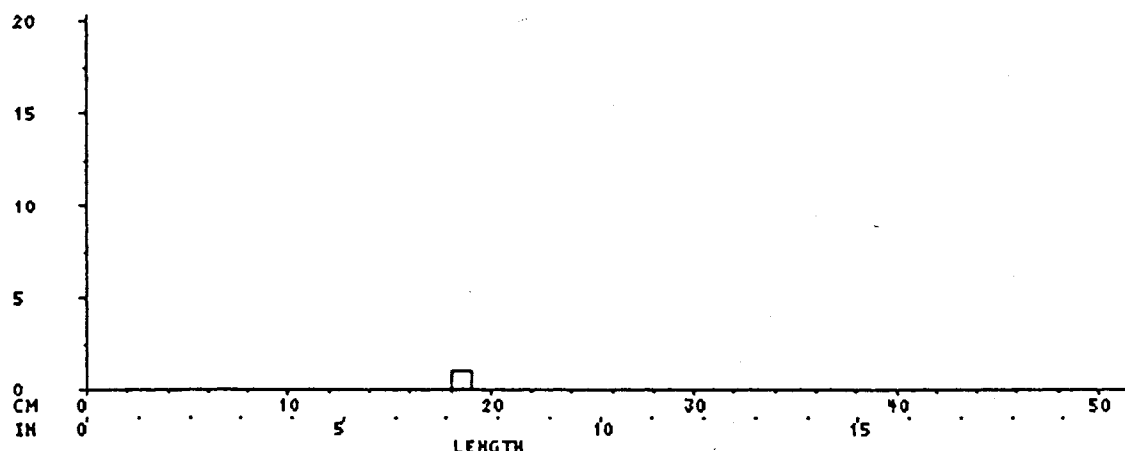


FIGURE 29. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'WAM' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1 INDIVIDUALS

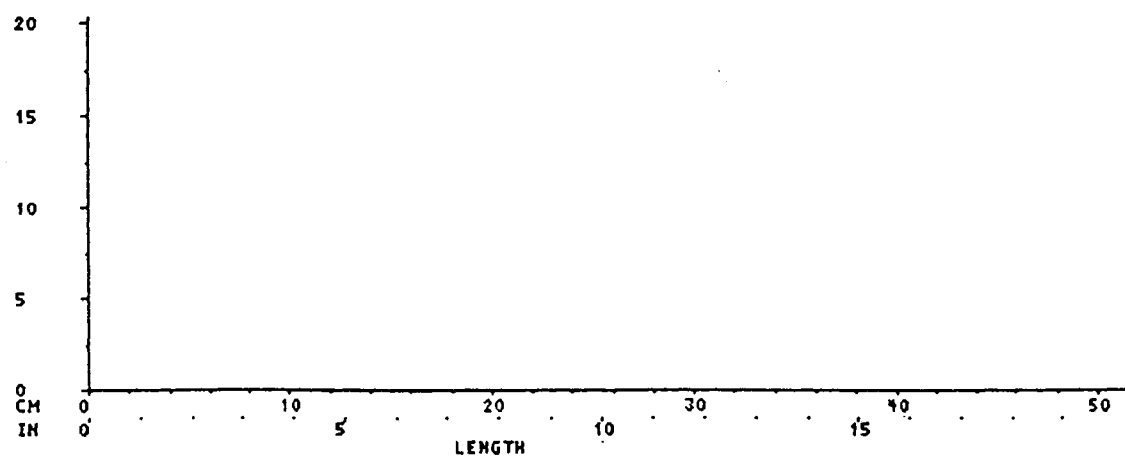
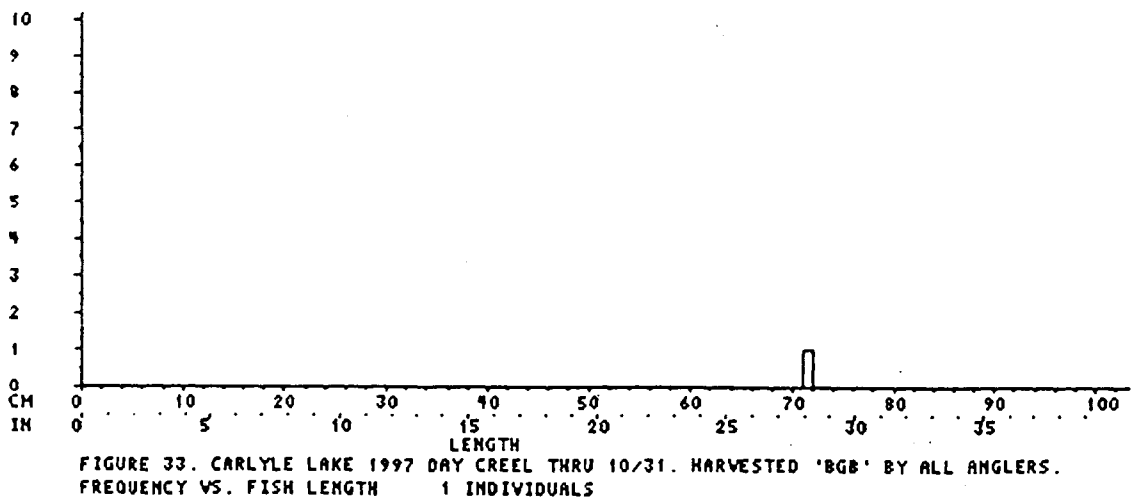
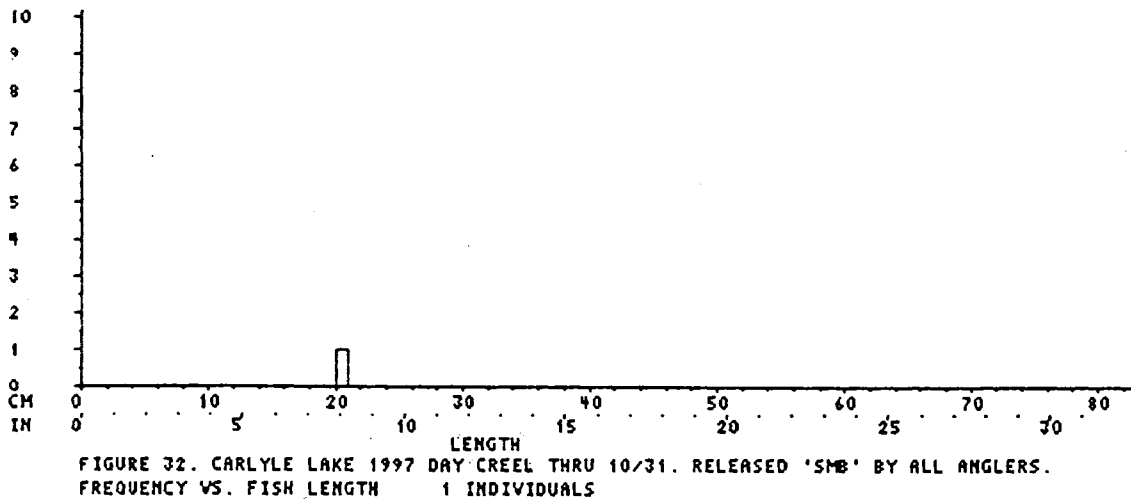
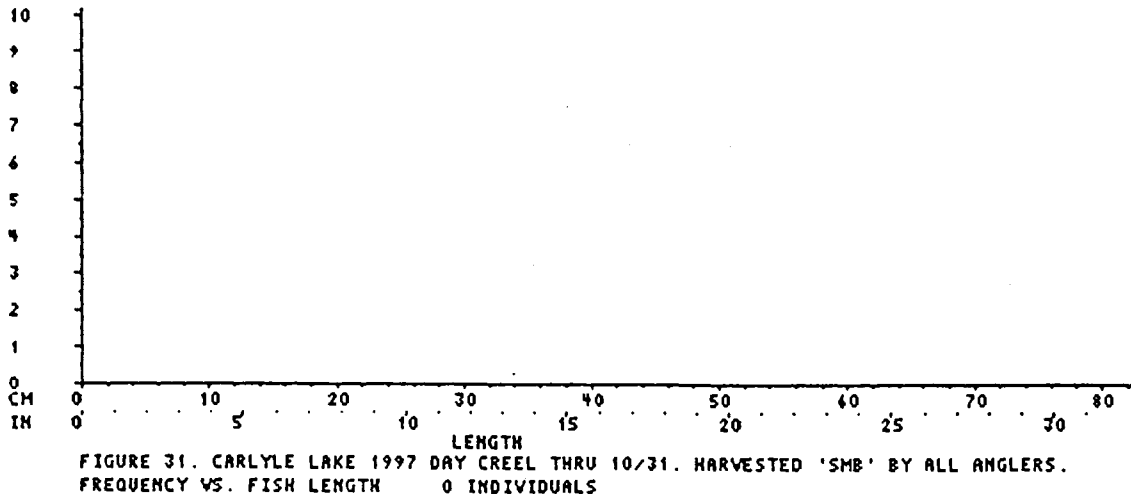


FIGURE 30. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'WAM' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS



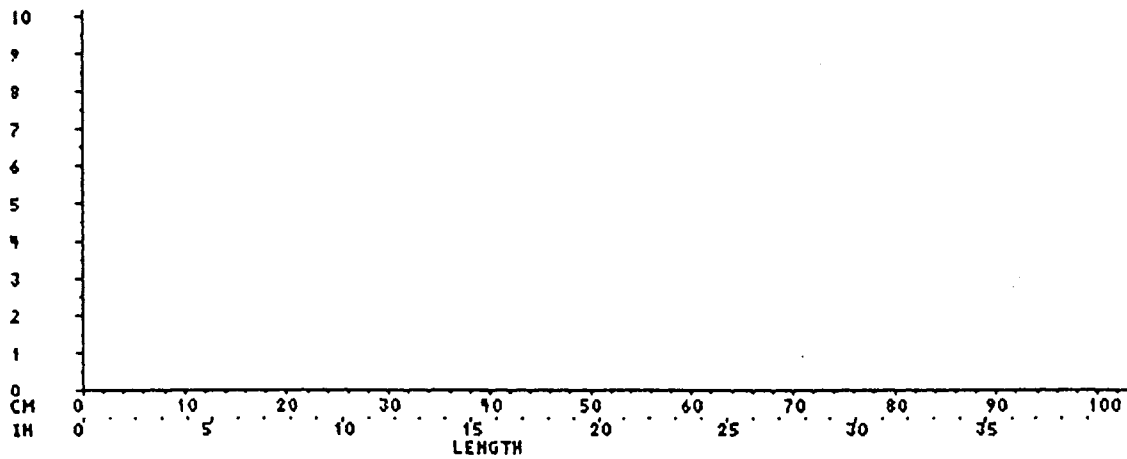


FIGURE 34. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BGB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

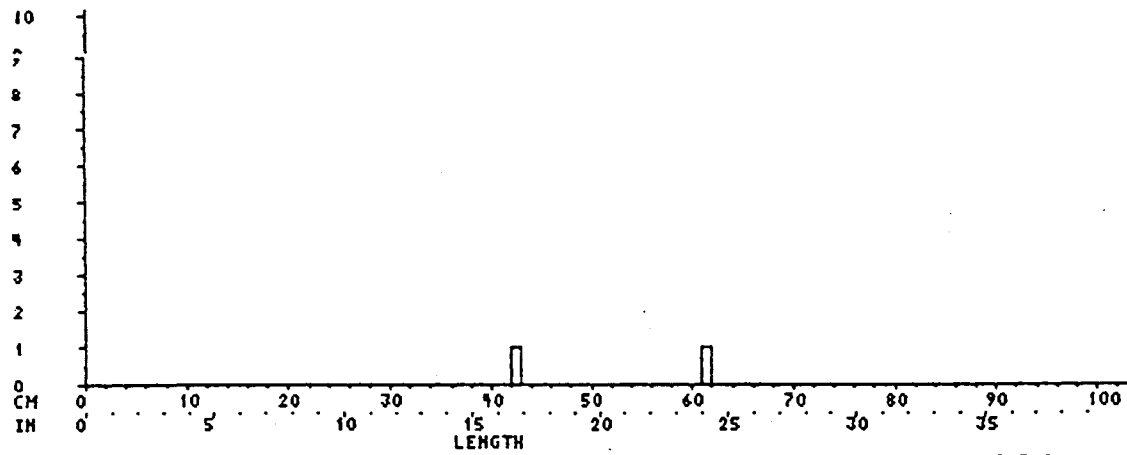


FIGURE 35. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BKB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 2 INDIVIDUALS

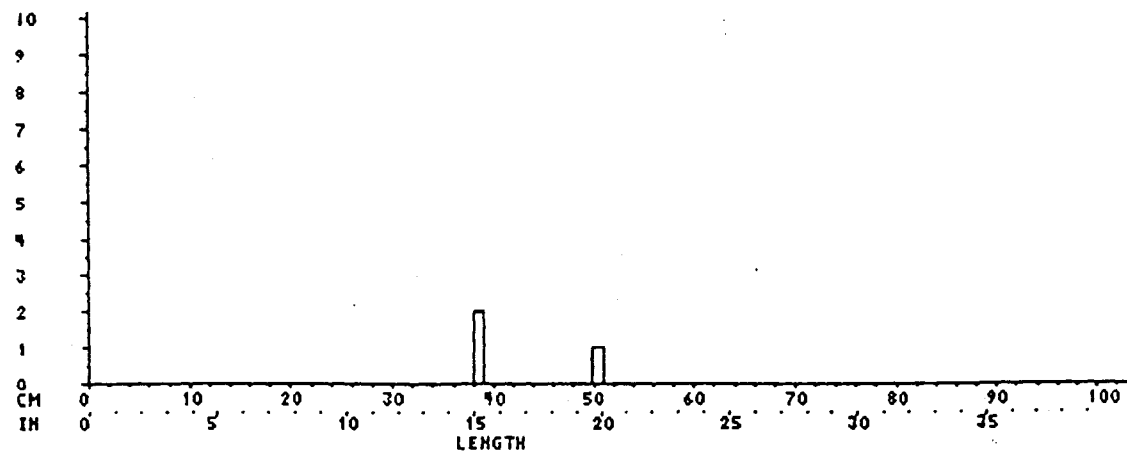


FIGURE 36. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BKB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 3 INDIVIDUALS

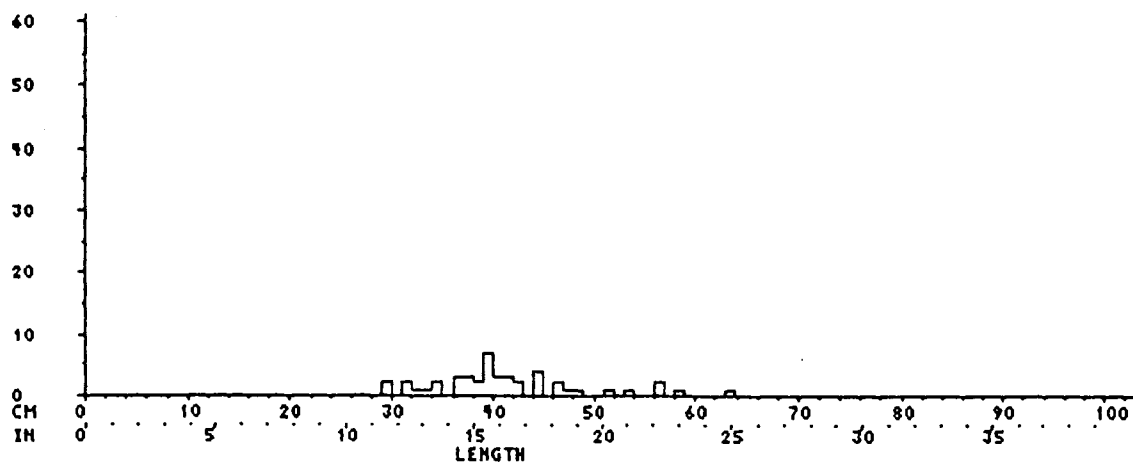


FIGURE 37. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'CAP' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 45 INDIVIDUALS

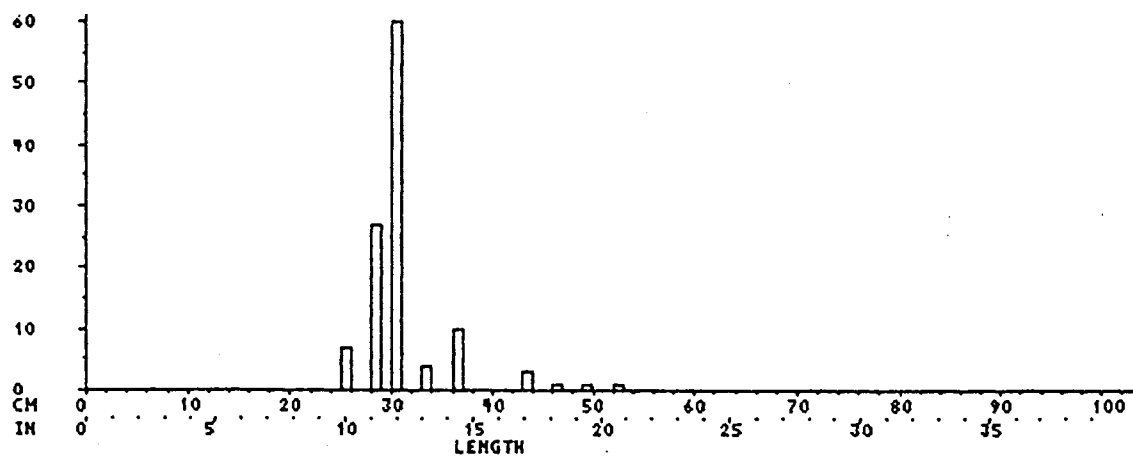


FIGURE 38. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'CAP' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 114 INDIVIDUALS

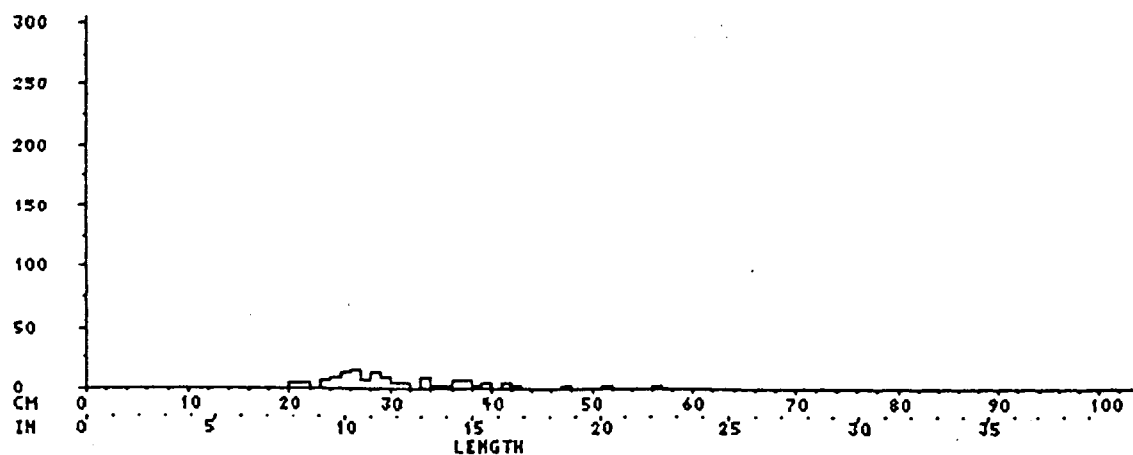


FIGURE 39. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'FRD' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 138 INDIVIDUALS



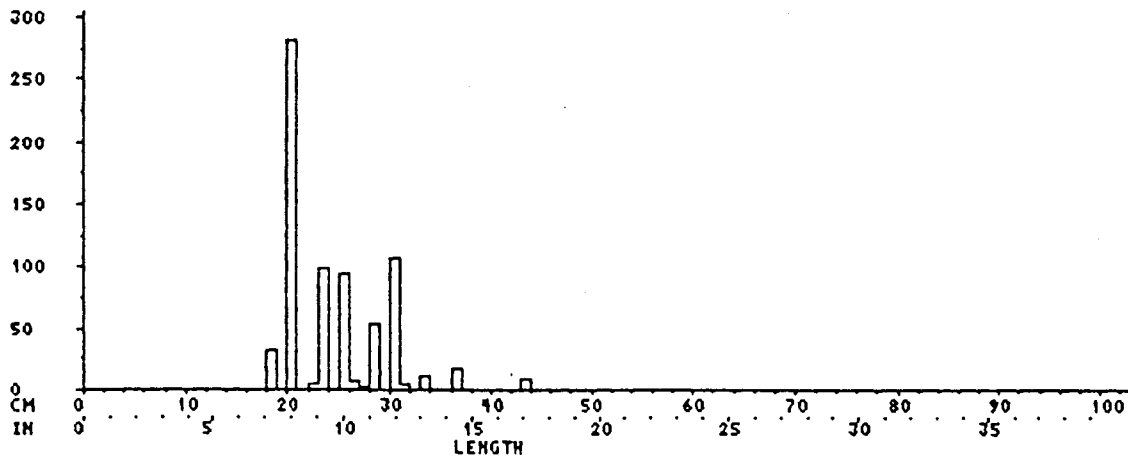


FIGURE 40. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'FRD' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 731 INDIVIDUALS

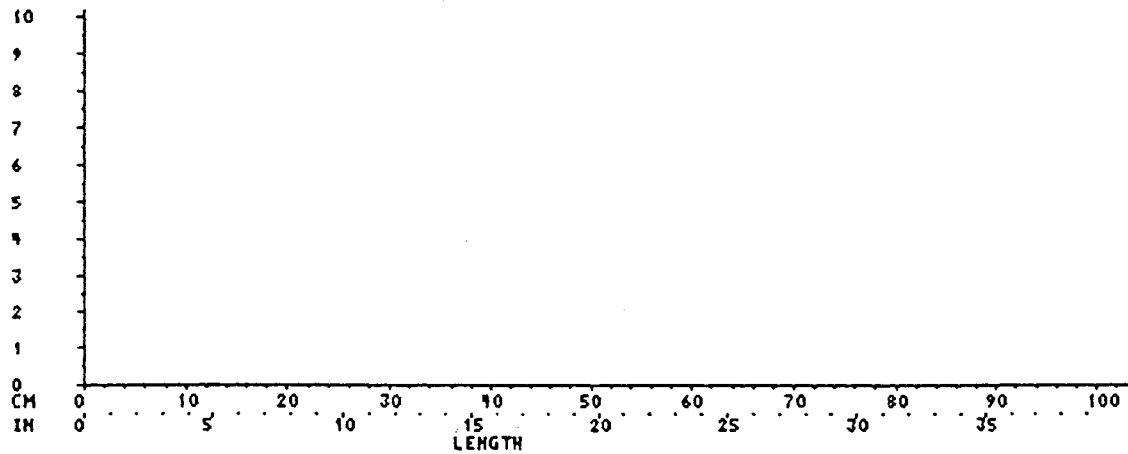


FIGURE 41. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'SHG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

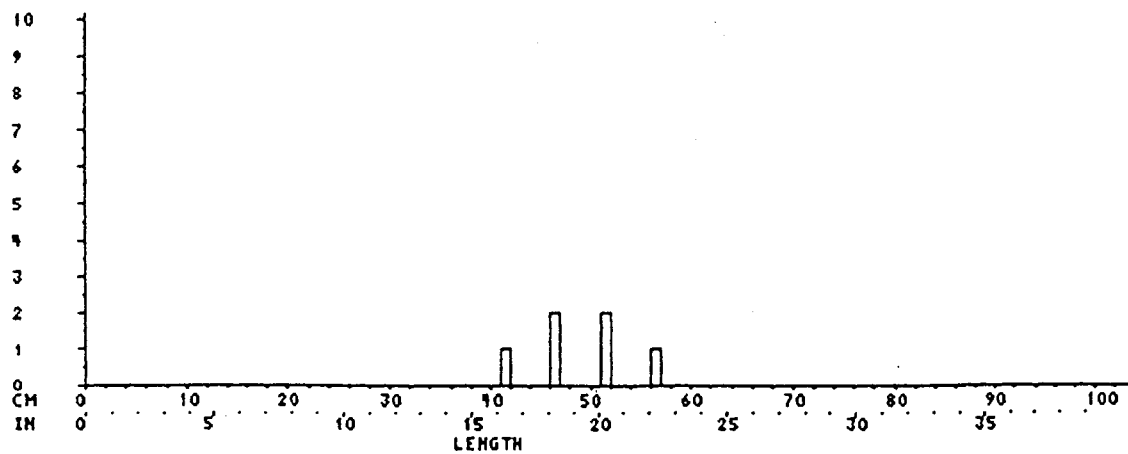


FIGURE 42. CARLYLE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'SHG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 6 INDIVIDUALS

EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=0 LAKE :=CARLYLE TAILWATER  
 DISTRICT :=00 YEAR :=97  
 ACREAGE :23 SAMPLING RATIO :=219/693 = 31.6%  
 NUMBER OF INTERVIEWS:2602

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

	ANGL HRS	95% CONF INTVL		HRS/ ACRE	95% CONF INTVL		% EFF INTVD
	-----	-----		-----	-----		-----
BOAT FISHING:							
WEEKDAY	2795	2119-3471 ( 24%)		122	92-151 ( 24%)		4.73
WKND/HOL	2256	1665-2847 ( 26%)		98	72-124 ( 26%)		5.94
STR TOTAL	5051	4201-5901 ( 17%)		220	183-257 ( 17%)		5.27
SHORE FISHING:							
WEEKDAY	48596	44574-52618 ( 8%)		2113	1938-2288 ( 8%)		8.51
WKND/HOL	53609	47917-59301 ( 11%)		2331	2083-2578 ( 11%)		10.83
STR TOTAL	102205	95463-108947 ( 7%)		4444	4151-4737 ( 7%)		9.73
BOAT/SHORE COALESCED:							
WEEKDAY	51263	46914-55612 ( 8%)		2229	2040-2418 ( 8%)		8.33
WKND/HOL	55829	49965-61693 ( 11%)		2427	2172-2682 ( 11%)		10.64
STR TOTAL	107092	100020-114164 ( 7%)		4656	4349-4964 ( 7%)		9.53
BOAT/SHORE STRATIFIED:							
WEEKDAY	51391	47317-55465 ( 8%)		2234	2057-2412 ( 8%)		8.31
WKND/HOL	55865	50156-61574 ( 10%)		2429	2181-2677 ( 10%)		10.64
STR TOTAL	107256	100467-114045 ( 6%)		4663	4368-4958 ( 6%)		9.52

HARVESTED AND CPUE TABLE                    \*\*\* DAY \*\*\*  
REGION       :=0                    LAKE :=CARLYLE TAILWATER  
DISTRICT   :=00                    YEAR :=97  
ACREAGE     :23                    SAMPLING RATIO :=438/1386 = 31.6%  
RATIO OF EFFORT HOURS INTERVIEWED := 10210.9/107260.6 = 9.51%  
NUMBER OF INTERVIEWS: 2602

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1 COALESCED WITH  
YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
YEAR PERIOD 09/01 TO 09/30 OF SECTION 1 COALESCED WITH  
YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:

FRD GZS CAP BLB BGB SHG YEB SAB SBH YLB BKB BHC LOS PAH GSF SPG ULL RSF LOG OR  
S RVC BCF

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.006	.000-.011 ( 94 %)	975	567-1384 ( 42 %)	104.79	42.41
BLG	.038	.029-.047 ( 23 %)	9614	7516-11712 ( 22 %)	1032.89	418.01
CCF	.078	.063-.092 ( 19 %)	11078	9531-12625 ( 14 %)	1190.15	481.65
FCF	.002	.001-.003 ( 47 %)	618	144-1091 ( 77 %)	66.35	26.85
LMB	.000	.000-.000 ( 75 %)	113	39-187 ( 65 %)	12.15	4.92
SAR	.000	+-0.000 (131 %)	111	+-234 (110 %)	11.96	4.84
WAE	.005	.002-.009 ( 71 %)	746	354-1137 ( 53 %)	80.09	32.42
WHB	.139	.072-.207 ( 49 %)	24546	19968-29124 ( 19 %)	2637.06	1067.21
WHC	.040	.027-.054 ( 34 %)	6274	5026-7521 ( 20 %)	673.98	272.76
MSC	.090	.070-.111 ( 23 %)	19494	16768-22220 ( 14 %)	2094.31	847.56
TOT	.399	.329-.469 ( 18 %)	73569	66395-80743 ( 10 %)	7903.73	3198.60

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.001	.000-.002 ( 91 %)	217	127-307 ( 42 %)	23.306	222.4
BLG	.004	.003-.005 ( 24 %)	935	708-1161 ( 24 %)	100.397	97.2
CCF	.031	.024-.038 ( 22 %)	4790	3789-5792 ( 21 %)	514.640	432.4
FCF	.004	.001-.006 ( 59 %)	851	397-1305 ( 53 %)	91.396	1377.6
LMB	.000	.000-.001 ( 91 %)	134	41-228 ( 70 %)	14.449	1189.0
SAR	.000	+-0.000 (127 %)	72	+-151 (110 %)	7.725	646.0
WAE	.003	.000-.005 ( 97 %)	277	158-395 ( 43 %)	29.706	370.9
WHB	.034	.018-.051 ( 47 %)	5904	4684-7124 ( 21 %)	634.290	240.5
WHC	.009	.006-.012 ( 35 %)	1273	1010-1537 ( 21 %)	136.812	203.0
MSC	.105	.078-.132 ( 26 %)	24594	19452-29735 ( 21 %)	2642.19	1261.6
TOT	.191	.161-.222 ( 16 %)	39047	33443-44651 ( 14 %)	4194.91	530.8

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.003	.000-.005 ( 91 %)	478	279-677 ( 42 %)	20.793	.4903
BLG	.008	.006-.010 ( 24 %)	2060	1560-2561 ( 24 %)	89.575	.2143
CCF	.068	.053-.083 ( 22 %)	10561	8352-12769 ( 21 %)	459.162	.9533
FCF	.008	.003-.013 ( 59 %)	1876	874-2877 ( 53 %)	81.544	3.0370
LMB	.002	.000-.003 ( 91 %)	296	89-504 ( 70 %)	12.891	2.6212
SAR	.000	+-0.000 (127 %)	159	+-333 (110 %)	6.893	1.4243
WAE	.006	.000-.012 ( 97 %)	610	349-870 ( 43 %)	26.504	.8177
WHB	.076	.040-.112 ( 47 %)	13016	10326-15706 ( 21 %)	565.914	.5303
WHC	.019	.012-.026 ( 35 %)	2807	2227-3388 ( 21 %)	122.064	.4475
MSC	.232	.173-.291 ( 26 %)	54220	42885-65554 ( 21 %)	2357.37	2.7813
TOT	.422	.354-.489 ( 16 %)	86082	73728-98437 ( 14 %)	3742.71	1.1701

MSC SPECIES CAUGHT:

WHB WHC CCF GZS LMB WAE BLG BLC SHG SAR YLB FCF BHC LOS PAH GSF SPG ULL LOG OR  
S RVC BCF

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BGB	.009	.006-.013	( 35 %)	2339	1622-3055	( 31 %) 251.24 101.68
BKB	.002	.000-.003	( 98 %)	764	+ -1584	(107 %) 82.11 33.23
BLB	.004	+ -.009	(124 %)	778	396-1160	( 49 %) 83.59 33.83
CAP	.029	.022-.037	( 26 %)	6033	4921-7144	( 18 %) 648.11 262.29
FRD	.016	.011-.022	( 34 %)	4394	3115-5673	( 29 %) 472.05 191.04
RSF	.000	+ -.000	(245 %)	5	+ -16	(245 %) .48 .20
SAB	.017	.011-.023	( 34 %)	3374	2476-4273	( 27 %) 362.49 146.70
SBH	.002	.000-.003	( 84 %)	443	223-662	( 50 %) 47.56 19.25
YEB	.001	+ -.002	(105 %)	365	44-686	( 88 %) 39.18 15.86
MSC	.319	.250-.388	( 22 %)	55075	48766-61385	( 11 %) 5916.91 2394.54
TOT	.399	.329-.469	( 18 %)	73569	66395-80743	( 10 %) 7903.73 3198.60

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BGB	.030	.017-.043	( 44 %)	8623	4682-12564	( 46 %) 926.413 3687.3
BKB	.003	+ -.007	(110 %)	1706	+ -3717	(118 %) 183.263 2231.8
BLB	.002	+ -.004	(122 %)	388	201-574	( 48 %) 41.673 498.5
CAP	.020	.013-.026	( 32 %)	4262	3311-5213	( 22 %) 457.888 706.5
FRD	.009	.006-.012	( 35 %)	2413	1527-3300	( 37 %) 259.253 549.2
RSF	+	+ -.000	(245 %)		+ -.17274	(245 %) .005 11.1
SAB	.037	.020-.053	( 46 %)	6133	4379-7887	( 29 %) 658.882 1817.7
SBH	.001	.000-.002	( 86 %)	314	116-513	( 63 %) 33.754 709.8
YEB	.000	+ -.001	(113 %)	194	10-378	( 95 %) 20.799 530.8
MSC	.090	.072-.107	( 20 %)	15014	13109-16919	( 13 %) 1612.98 272.6
TOT	.191	.161-.222	( 16 %)	39047	33443-44651	( 14 %) 4194.91 530.8

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BGB	.065	.037-.094	( 44 %)	19011	10322-27699	( 46 %) 826.547 8.1290
BKB	.007	+ -.015	(110 %)	3761	+ -8195	(118 %) 163.507 4.9203
BLB	.004	+ -.009	(122 %)	855	444-1266	( 48 %) 37.181 1.0990
CAP	.043	.030-.057	( 32 %)	9396	7299-11493	( 22 %) 408.528 1.5575
FRD	.020	.013-.027	( 35 %)	5320	3365-7275	( 37 %) 231.306 1.2108
RSF	.000	+ -.000	(245 %)		+ -.38083	(245 %) .005 .0245
SAB	.080	.043-.118	( 46 %)	13521	9654-17387	( 29 %) 587.855 4.0072
SBH	.003	.000-.005	( 86 %)	693	255-1131	( 63 %) 30.116 1.5648
YEB	.001	+ -.003	(113 %)	427	21-833	( 95 %) 18.557 1.1703
MSC	.197	.158-.236	( 20 %)	33100	28899-37300	( 13 %) 1439.11 .6010
TOT	.422	.354-.489	( 16 %)	86082	73728-98437	( 14 %) 3742.71 1.1701

MSC SPECIES CAUGHT:

WHB WHC CCF FRD CAP LMB WAE BLB BGB BLG BLC SHG SAR YEB SAB SBH FCF BKB SPG RS  
F LOG RVC

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BCF	.000	+- .001 (245 %)	15	+-53 (245 %)	1.66	.67
BHC	.000	+- .000 (141 %)	54	+-133 (149 %)	5.76	2.33
GSF	.000	.000-.000 ( 88 %)	111	6-217 ( 95 %)	11.98	4.85
GZS	.007	+- .024 (246 %)	181	+-473 (161 %)	19.48	7.89
LDS	.000	.000-.000 ( 61 %)	167	63-270 ( 62 %)	17.90	7.25
ORS	.000	+- .000 (160 %)	40	+-101 (154 %)	4.29	1.74
PAH	.000	+- .000 (143 %)	20	+-46 (129 %)	2.17	.88
ULL	.000	+- .000 (226 %)	6	+-19 (226 %)	.61	.25
YLB	.000	+- .002 (172 %)	173	+-460 (166 %)	18.56	7.51
MSC	.390	.320-.460 ( 18 %)	72802	65643-79960 ( 10 %)	7821.33	3165.25
TOT	.399	.329-.469 ( 18 %)	73569	66395-80743 ( 10 %)	7903.73	3198.60

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BCF	.001	+- .004 (245 %)	49	+-168 (245 %)	5.235	3162.8
BHC	.000	+- .002 (117 %)	144	+-317 (120 %)	15.430	2679.3
GSF	.000	.000-.000 ( 90 %)	13	-27 (100 %)	1.447	120.8
GZS	.000	+- .000 (246 %)	4	+-11 (163 %)	.467	24.0
LDS	.000	.000-.000 ( 66 %)	19	6-31 ( 67 %)	1.997	111.6
ORS	.000	+- .000 (179 %)	3	+-7 (173 %)	.296	68.9
PAH	.000	+- .000 (146 %)	55	+-127 (130 %)	5.932	2735.1
ULL	.000	+- .000 (226 %)	5	+-18 (226 %)	.578	948.0
YLB	.000	+- .001 (207 %)	98	+-300 (207 %)	10.492	565.3
MSC	.189	.159-.219 ( 16 %)	38657	33083-44231 ( 14 %)	4153.04	531.0
TOT	.191	.161-.222 ( 16 %)	39047	33443-44651 ( 14 %)	4194.91	530.8

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BCF	.002	+- .008 (245 %)	107	+-370 (245 %)	4.670	6.9727
BHC	.002	+- .003 (117 %)	317	+-698 (120 %)	13.766	5.9068
GSF	.000	.000-.000 ( 90 %)	30	-59 (100 %)	1.291	.2664
GZS	.000	+- .001 (246 %)	10	+-25 (163 %)	.417	.0529
LDS	.000	.000-.000 ( 66 %)	41	13-69 ( 67 %)	1.782	.2459
ORS	.000	+- .000 (179 %)	6	+-17 (173 %)	.264	.1519
PAH	.000	+- .001 (146 %)	122	+-279 (130 %)	5.293	6.0299
ULL	.000	+- .000 (226 %)	12	+-39 (226 %)	.516	2.0900
YLB	.000	+- .003 (207 %)	215	+-662 (207 %)	9.361	1.2462
MSC	.416	.350-.482 ( 16 %)	85223	72934-97512 ( 14 %)	3705.35	1.1706
TOT	.422	.354-.489 ( 16 %)	86082	73728-98437 ( 14 %)	3742.71	1.1701

HARVESTED AND CPUE TABLE                    \*\*\* DAY \*\*\*  
 REGION :=0                    LAKE :=CARLYLE TAILWATER  
 DISTRICT :=00                YEAR :=97  
 ACREAGE :23                SAMPLING RATIO :=438/1386 = 31.6%  
 RATIO OF EFFORT HOURS INTERVIEWED := 10210.9/107260.6 = 9.51%  
 NUMBER OF INTERVIEWS: 2602

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:

WHB WHC CCF FRD GZS CAP LMB WAE ELB BGB BLG BLC SAR YEB SAB SBH YLB FCF BKB BH  
 C LOS PAH GSF ULL RSF ORS BCF

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
LOG		*** NOT RECORDED ***		*** NOT RECORDED ***		
RVC	.000	+- .000 (211 %)	5	+-14 (211 %)	.49	.20
SHG	.000	.000-.002 ( 95 %)	218	8-428 ( 96 %)	23.42	9.48
SPG	.000	+- .000 (151 %)	11	+-28 (151 %)	1.18	.48
MSC	.398	.328-.468 ( 18 %)	73335	66171-80500 ( 10 %)	7878.65	3188.45
TOT	.399	.329-.469 ( 18 %)	73569	66395-80743 ( 10 %)	7903.73	3198.60

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
LOG		*** NOT RECORDED ***		*** NOT RECORDED ***		
RVC	.000	+- .000 (211 %)	2	+-6 (211 %)	.215	435.2
SHG	.000	+- .002 (120 %)	154	+-330 (114 %)	16.543	706.5
SPG	.000	+- .000 (158 %)	15	+-38 (151 %)	1.635	1389.4
MSC	.191	.160-.221 ( 16 %)	38876	33275-44476 ( 14 %)	4176.52	530.1
TOT	.191	.161-.222 ( 16 %)	39047	33443-44631 ( 14 %)	4194.91	530.8

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
LOG		*** NOT RECORDED ***		*** NOT RECORDED ***		
RVC	.000	+- .000 (211 %)	4	+-14 (211 %)	.192	.9594
SHG	.002	+- .003 (120 %)	339	+-726 (114 %)	14.759	1.5575
SPG	.000	+- .000 (158 %)	34	+-84 (151 %)	1.458	3.0631
MSC	.420	.355-.488 ( 16 %)	85705	73267-98053 ( 14 %)	3726.30	1.1687
TOT	.422	.354-.489 ( 16 %)	86082	73728-98437 ( 14 %)	3742.71	1.1701

CAUGHT AND CPUE TABLE \*\*\* DAY \*\*\*  
REGION :=0 LAKE :=CARLYLE TAILWATER  
DISTRICT :=00 YEAR :=97  
ACREAGE :23 SAMPLING RATIO :=438/1386 = 31.6%  
RATIO OF EFFORT HOURS INTERVIEWED := 10210.9/107260.6 = 9.51%  
NUMBER OF INTERVIEWS: 2602

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1 COALESCED WITH  
YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
YEAR PERIOD 09/01 TO 09/30 OF SECTION 1 COALESCED WITH  
YEAR PERIOD 10/01 TO 10/31 OF SECTION 1



MSC SPECIES CAUGHT:

FRD GZS CAP BLB BGB SHG YEB SAB SBH YLB BKB BHC LOS PAH GSF SPG ULL RSF LOG OR  
S RVC BCF

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLC	.012	.006-.019 ( 51 %)	3328	1487-5170 ( 55 %)	357.58	144.71
BLG	.070	.054-.085 ( 22 %)	18928	14995-22861 ( 21 %)	2033.51	822.95
CCF	.129	.104-.154 ( 19 %)	19071	16697-21445 ( 12 %)	2048.84	829.16
FCF	.002	.001-.003 ( 42 %)	716	243-1190 ( 66 %)	76.96	31.15
LMB	.017	+- .039 (132 %)	1564	1026-2101 ( 34 %)	167.99	67.99
SAR	.002	.000-.003 ( 74 %)	585	275-895 ( 53 %)	62.83	25.43
WAE	.062	.048-.077 ( 24 %)	16066	11904-20228 ( 26 %)	1726.02	698.51
WHB	.286	.202-.371 ( 30 %)	47102	40624-53580 ( 14 %)	5060.29	2047.87
WHC	.193	.132-.253 ( 31 %)	29733	24154-35311 ( 19 %)	3194.30	1292.72
MSC	.257	.220-.294 ( 14 %)	53165	46318-60012 ( 13 %)	5711.71	2311.50
TOT	1.030	.899-1.161 ( 13 %)	190258	171625-208891 ( 10 %)	20440.0	8271.98

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLC	.002	.000-.003 ( 64 %)	430	221-639 ( 49 %)	46.197	129.2
BLG	.005	.004-.006 ( 23 %)	1197	908-1486 ( 24 %)	128.636	63.3
CCF	.036	.028-.043 ( 20 %)	5657	4599-6715 ( 19 %)	607.754	296.6
FCF	.004	.002-.006 ( 57 %)	883	427-1340 ( 52 %)	94.878	1232.8
LMB	.007	+- .015 (111 %)	619	412-826 ( 33 %)	66.467	395.6
SAR	.000	.000-.000 ( 80 %)	111	22-200 ( 80 %)	11.930	189.9
WAE	.009	.006-.013 ( 39 %)	1660	1326-1994 ( 20 %)	178.353	103.3
WHB	.043	.027-.059 ( 38 %)	7528	6168-8887 ( 18 %)	808.709	159.8
WHC	.017	.013-.022 ( 28 %)	2590	2104-3076 ( 19 %)	278.257	87.1
MSC	.137	.108-.166 ( 21 %)	31659	25900-37418 ( 18 %)	3401.23	595.5
TOT	.260	.226-.294 ( 13 %)	52334	45708-58960 ( 13 %)	5622.41	275.1

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BLC	.004	.001-.007 ( 64 %)	948	487-1409 ( 49 %)	41.217	.2848
BLG	.010	.008-.013 ( 23 %)	2640	2002-3277 ( 24 %)	114.770	.1395
CCF	.078	.063-.094 ( 20 %)	12472	10139-14805 ( 19 %)	542.239	.6540
FCF	.008	.004-.013 ( 57 %)	1947	941-2953 ( 52 %)	84.650	2.7178
LMB	.016	+- .034 (111 %)	1364	908-1820 ( 33 %)	59.302	.8722
SAR	.000	.000-.001 ( 80 %)	245	49-440 ( 80 %)	10.644	.4186
WAE	.021	.013-.029 ( 39 %)	3660	2923-4397 ( 20 %)	159.127	.2278
WHB	.095	.059-.131 ( 38 %)	16595	13599-19591 ( 18 %)	721.531	.3523
WHC	.038	.028-.049 ( 28 %)	5710	4638-6782 ( 19 %)	248.261	.1920
MSC	.302	.239-.365 ( 21 %)	69796	57099-82492 ( 18 %)	3034.58	1.3128
TOT	.574	.499-.649 ( 13 %)	115376	100767-129984 ( 13 %)	5016.33	.6064

## MSC SPECIES CAUGHT:

WHB WHC CCF GZS LMB WAE BLG BLC SHG SAR YLB FCF BHC LOS PAH GSF SPG ULL LOG OR  
S RVC BCF

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/ShORE STRATIFIED

FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BGB	.017	.010-.024 ( 39 %)	4186	2808-5565 ( 33 %)	449.77	182.02
BKB	.002	.000-.003 ( 93 %)	777	+-1597 (105 %)	83.53	33.81
BLB	.005	.000-.010 ( 87 %)	1286	792-1781 ( 38 %)	138.21	55.93
CAP	.061	.048-.075 ( 22 %)	12363	10123-14604 ( 18 %)	1328.24	537.53
FRD	.060	.045-.074 ( 25 %)	14229	10740-17718 ( 25 %)	1528.70	618.66
RSF	.000	+-0.000 (245 %)	5	+-16 (245 %)	.48	.20
SAB	.025	.016-.034 ( 34 %)	4923	3543-6303 ( 28 %)	528.91	214.05
SBH	.002	.000-.003 ( 83 %)	463	236-691 ( 49 %)	49.78	20.15
YEB	.003	.000-.006 ( 90 %)	595	235-955 ( 61 %)	63.90	25.86
MSC	.855	.729-.982 ( 15 %)	151429	135205-167653 ( 11 %)	16268.5	6583.79
TOT	1.030	.899-1.161 ( 13 %)	190258	171625-208891 ( 10 %)	20440.0	8271.98

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BGB	.035	.020-.050 ( 44 %)	10172	5647-14697 ( 44 %)	1092.80	2429.7
BKB	.003	+-0.007 (108 %)	1712	+-3723 (118 %)	183.872	2201.3
BLB	.002	+-0.005 (103 %)	494	294-695 ( 41 %)	53.122	384.4
CAP	.028	.021-.035 ( 25 %)	5989	4847-7131 ( 19 %)	643.375	484.4
FRD	.016	.012-.019 ( 24 %)	3834	2684-4983 ( 30 %)	411.852	269.4
RSF	+	+-0.000 (245 %)		+-17274 (245 %)	.005	11.1
SAB	.039	.021-.056 ( 45 %)	6606	4772-8439 ( 28 %)	709.679	1341.8
SBH	.001	.000-.002 ( 85 %)	335	132-538 ( 61 %)	35.958	722.3
YEB	.000	.000-.002 ( 77 %)	253	68-437 ( 73 %)	27.156	425.0
MSC	.135	.114-.156 ( 15 %)	22941	20330-25551 ( 11 %)	2464.59	151.5
TOT	.260	.226-.294 ( 13 %)	52334	45708-58960 ( 13 %)	5622.41	275.1

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BGB	.077	.044-.111 ( 44 %)	22425	12450-32401 ( 44 %)	975.004	5.3566
BKB	.007	+-0.015 (108 %)	3773	+-8208 (118 %)	164.051	4.8530
BLB	.005	+-0.010 (103 %)	1090	648-1533 ( 41 %)	47.396	.8474
CAP	.062	.047-.077 ( 25 %)	13202	10685-15720 ( 19 %)	574.021	1.0679
FRD	.034	.026-.042 ( 24 %)	8451	5918-10985 ( 30 %)	367.455	.5939
RSF	.000	+-0.000 (245 %)		+-38083 (245 %)	.005	.0245
SAB	.085	.047-.123 ( 45 %)	14563	10521-18605 ( 28 %)	633.177	2.9581
SBH	.003	.000-.005 ( 85 %)	738	290-1186 ( 61 %)	32.082	1.5925
YEB	.002	.000-.004 ( 77 %)	557	151-964 ( 73 %)	24.228	.9369
MSC	.298	.252-.344 ( 15 %)	50575	44820-56330 ( 11 %)	2198.91	.3340
TOT	.574	.499-.649 ( 13 %)	115376	100767-129984 ( 13 %)	5016.33	.6064

MSC SPECIES CAUGHT:

WHB WHC CCF FRD CAP LMB WAE BLB BGB BLG BLC SHG SAR YEB SAB SBH FCF BKB SPG RS  
F LOG RVC

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/ShORE STRATIFIED

FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BCF	.000	+- .001 (245 %)	15	+-53 (245 %)	1.66	.67
BHC	.000	+- .000 (129 %)	62	+-146 (136 %)	6.67	2.70
GSF	.000	.000-.000 ( 88 %)	111	6-217 ( 95 %)	11.98	4.85
GZS	.061	.034-.087 ( 44 %)	10002	6429-13575 ( 36 %)	1074.55	434.87
LDS	.000	.000-.000 ( 59 %)	199	79-319 ( 60 %)	21.40	8.66
ORS	.000	+- .000 (160 %)	40	+-101 (154 %)	4.29	1.74
PAH	.000	.000-.000 ( 90 %)	50	6-94 ( 88 %)	5.38	2.18
ULL	.000	+- .000 (226 %)	6	+-19 (226 %)	.61	.25
YLB	.000	+- .002 (123 %)	287	+-611 (112 %)	30.88	12.50
MSC	.967	.839-1.095 ( 13 %)	179485	162454-196515 ( 9 %)	19282.6	7803.58
TOT	1.030	.899-1.161 ( 13 %)	190258	171625-208891 ( 10 %)	20440.0	8271.98

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BCF	.001	+- .004 (245 %)	49	+-168 (245 %)	5.235	3162.8
BHC	.000	+- .002 (115 %)	184	+-406 (121 %)	19.744	2958.2
GSF	.000	.000-.000 ( 90 %)	13	-27 (100 %)	1.447	120.8
GZS	.001	.000-.002 ( 46 %)	172	99-245 ( 43 %)	18.433	17.2
LDS	.000	.000-.000 ( 65 %)	20	7-33 ( 64 %)	2.130	99.5
ORS	.000	+- .000 (179 %)	3	+-7 (173 %)	.296	68.9
PAH	.000	+- .000 (111 %)	80	4-155 ( 96 %)	8.542	1587.5
ULL	.000	+- .000 (226 %)	5	+-18 (226 %)	.578	948.0
YLB	.000	+- .001 (205 %)	99	+-302 (204 %)	10.646	344.8
MSC	.256	.223-.290 ( 13 %)	51710	45132-58288 ( 13 %)	5555.36	288.1
TOT	.260	.226-.294 ( 13 %)	52334	45708-58960 ( 13 %)	5622.41	275.1

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BCF	.002	+- .008 (245 %)	107	+-370 (245 %)	4.670	6.9727
BHC	.002	+- .004 (115 %)	405	+-894 (121 %)	17.616	6.5216
GSF	.000	.000-.000 ( 90 %)	30	-59 (100 %)	1.291	.2664
GZS	.002	.001-.003 ( 46 %)	378	217-539 ( 43 %)	16.446	.0378
LDS	.000	.000-.000 ( 65 %)	44	16-72 ( 64 %)	1.900	.2194
ORS	.000	+- .000 (179 %)	6	+-17 (173 %)	.264	.1519
PAH	.000	+- .001 (111 %)	175	8-343 ( 96 %)	7.621	3.4997
ULL	.000	+- .000 (226 %)	12	+-39 (226 %)	.516	2.0900
YLB	.000	+- .003 (205 %)	218	+-665 (204 %)	9.498	.7601
MSC	.565	.492-.639 ( 13 %)	114000	99499-128501 ( 13 %)	4956.50	.6352
TOT	.574	.499-.649 ( 13 %)	115376	100767-129984 ( 13 %)	5016.33	.6064

MSC SPECIES CAUGHT:

WHB WHC CCF GZS LMB WAE BLG BLC SHG SAR YLB FCF BHC LOS FAH GSF SPG ULL LOG OR  
S RVC BCF

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BGB	.017	.010-.024 ( 39 %)	4186	2808-5565 ( 33 %)	449.77	182.02
BKB	.002	.000-.003 ( 93 %)	777	+-1597 (105 %)	83.53	33.81
BLB	.005	.000-.010 ( 87 %)	1286	792-1781 ( 38 %)	138.21	55.93
CAP	.061	.048-.075 ( 22 %)	12363	10123-14604 ( 18 %)	1328.24	537.53
FRD	.060	.045-.074 ( 25 %)	14229	10740-17718 ( 25 %)	1528.70	618.66
RSF	.000	+-0.000 (245 %)	5	+-16 (245 %)	.48	.20
SAB	.025	.016-.034 ( 34 %)	4923	3543-6303 ( 28 %)	528.91	214.05
SBH	.002	.000-.003 ( 83 %)	463	236-691 ( 49 %)	49.78	20.13
YEB	.003	.000-.006 ( 90 %)	595	235-955 ( 61 %)	63.90	25.86
MSC	.855	.729-.982 ( 15 %)	151429	135205-167653 ( 11 %)	16268.5	6583.79
TOT	1.030	.897-1.161 ( 13 %)	190258	171625-208891 ( 10 %)	20440.0	8271.98

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BGB	.035	.020-.050 ( 44 %)	10172	5647-14697 ( 44 %)	1092.80	2429.7
BKB	.003	+-0.007 (108 %)	1712	+-3723 (118 %)	183.872	2201.3
BLB	.002	+-0.005 (103 %)	494	294-695 ( 41 %)	53.122	384.4
CAP	.028	.021-.033 ( 25 %)	5969	4847-7131 ( 19 %)	643.375	484.4
FRD	.016	.012-.019 ( 24 %)	3834	2684-4983 ( 30 %)	411.852	269.4
RSF	+	+-0.000 (245 %)		+-1.17274 (245 %)	.005	11.1
SAB	.039	.021-.056 ( 45 %)	6606	4772-8439 ( 28 %)	709.679	1341.8
SBH	.001	.000-.002 ( 85 %)	335	132-538 ( 61 %)	35.958	722.3
YEB	.000	.000-.002 ( 77 %)	253	68-437 ( 73 %)	27.156	425.0
MSC	.135	.114-.156 ( 15 %)	22941	20330-25551 ( 11 %)	2464.59	151.3
TOT	.260	.226-.294 ( 13 %)	52334	45708-58960 ( 13 %)	5622.41	275.1

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BGB	.077	.044-.111 ( 44 %)	22425	12450-32401 ( 44 %)	975.004	5.3566
BKB	.007	+-0.015 (108 %)	3773	+-8208 (118 %)	164.051	4.8530
BLB	.005	+-0.010 (103 %)	1090	648-1533 ( 41 %)	47.396	.8474
CAP	.062	.047-.077 ( 25 %)	13202	10685-15720 ( 19 %)	574.021	1.0679
FRD	.034	.026-.042 ( 24 %)	8451	5918-10985 ( 30 %)	367.455	.5939
RSF	.000	+-0.000 (245 %)		+-1.38083 (245 %)	.005	.0245
SAB	.085	.047-.123 ( 45 %)	14563	10521-18605 ( 28 %)	633.177	2.9581
SBH	.003	.000-.005 ( 85 %)	738	290-1186 ( 61 %)	32.082	1.5925
YEB	.002	.000-.004 ( 77 %)	557	151-964 ( 73 %)	24.228	.9369
MSC	.298	.252-.344 ( 15 %)	50575	44820-56330 ( 11 %)	2198.91	.3340
TOT	.574	.499-.649 ( 13 %)	115376	100767-129984 ( 13 %)	5016.33	.6064

## CAUGHT AND CPUE TABLE

\*\*\* DAY \*\*\*

REGION :=0

LAKE :=CARLYLE TAILWATER

DISTRICT :=00

YEAR :=97

ACREAGE :23

SAMPLING RATIO :=438/1386 = 31.6%

RATIO OF EFFORT HOURS INTERVIEWED := 10210.9/107260.6 = 9.51%

NUMBER OF INTERVIEWS: 2602

## COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1 COALESCED WITH

YEAR PERIOD 04/09 TO 04/30 OF SECTION 1

YEAR PERIOD 05/01 TO 05/31 OF SECTION 1

YEAR PERIOD 06/01 TO 06/15 OF SECTION 1

YEAR PERIOD 06/16 TO 08/31 OF SECTION 1

YEAR PERIOD 09/01 TO 09/30 OF SECTION 1 COALESCED WITH

YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

## MSC SPECIES CAUGHT:

WHB WHC CCF FRD GZS CAP LMB WAE BLB BGB BLG BLC SAR YEB SAB SBH YLB FCF BKB BH  
C LOS PAH GSF ULL RSF ORS BCF

## SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
LOG	.000	+- .000 (223 %)	7	+-23 (223 %)	.77	.31
RVC	.000	+- .000 (211 %)	5	+-14 (211 %)	.49	.20
SHG	.018	.008-.029 ( 56 %)	3313	1884-4741 ( 43 %)	355.89	144.03
SPG	.000	+- .001 (155 %)	239	+-795 (233 %)	25.63	10.38
MSC	1.011	.880-1.142 ( 13 %)	186695	168254-205136 ( 10 %)	20057.2	8117.07
TOT	1.030	.899-1.161 ( 13 %)	190258	171625-208891 ( 10 %)	20440.0	8271.98

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
LOG	.000	+- .000 (223 %)	8	+-26 (223 %)	.880	1143.1
RVC	.000	+- .000 (211 %)	2	+-6 (211 %)	.215	435.2
SHG	.007	.004-.010 ( 43 %)	1327	843-1810 ( 36 %)	142.525	400.5
SPG	.000	+- .002 (111 %)	305	+-842 (176 %)	32.740	1277.3
MSC	.252	.218-.286 ( 13 %)	50692	44133-57251 ( 13 %)	5446.05	271.5
TOT	.260	.226-.294 ( 13 %)	52334	45708-58960 ( 13 %)	5622.41	275.1

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
LOG	.000	+- .000 (223 %)	18	+-58 (223 %)	.785	2.5201
RVC	.000	+- .000 (211 %)	4	+-14 (211 %)	.192	.9594
SHG	.016	.009-.023 ( 43 %)	2925	1858-3991 ( 36 %)	127.161	.8829
SPG	.002	+- .003 (111 %)	672	+-1857 (176 %)	29.211	2.8139
MSC	.556	.481-.631 ( 13 %)	111757	97297-126217 ( 13 %)	4858.98	.5986
TOT	.574	.499-.649 ( 13 %)	115376	100767-129984 ( 13 %)	5016.33	.6064

TABLE CARLYLE LAKE TAILWATER 1997 DAY CREEL FINAL REPORT  
DAYTIME DATA FOR LAKE=CARLYLE TAILWATER CREEL BEGUN IN YEAR=97

SECTION 1 FROM 03/15 TO 04/08  
SECTION 1 FROM 04/09 TO 04/30  
SECTION 1 FROM 05/01 TO 05/31  
SECTION 1 FROM 06/01 TO 06/15  
SECTION 1 FROM 06/16 TO 08/31  
SECTION 1 FROM 09/01 TO 09/30  
SECTION 1 FROM 10/01 TO 10/31

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	3.6	3 - 4.1 ( 15%)	1.3	7.9	38
SHORE	3.2	3 - 3.3 ( 5%)	.5	12.7	508
BOAT & SHORE	3.2	3.1 - 3.4 ( 5%)	.5	12.7	546

158 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
21.8% OF ALL 2502 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	37.6	36.1 - 39.2 ( 4%)	1	900	2088
SUCCESS RATING 1-10?	3	2.9 - 3.1 ( 3%)	1	10	2069

IS CATCH ILLEGAL?

CLERK NOTED 18 OUT OF 2502 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT				PARTY SIZE VS. # INTERVIEWS	
				BOAT	SHORE
ANY	778 ( 31.1%)	WHB	583 ( 23.3%)	1	13
WAE	44 ( 1.8%)	CRP	205 ( 8.2%)	2	24
CAT	241 ( 9.6%)	CCF	409 ( 16.3%)	3	6
BLG	36 ( 1.4%)	CAF	93 ( 3.7%)	4	
BGB	41 ( 1.6%)	WHC	26 ( 1%)	5	
BSS	3 ( .1%)	FCF	9 ( .4%)	6	
SUN	2 ( .1%)	LMB	16 ( .6%)	7	
FRD	5 ( .2%)	SBH	2 ( .1%)	8	
SAB	5 ( .2%)	SAR	1 ( 0%)	9	
BUF	3 ( .1%)			10+	

TABLE CARLYLE LAKE TAILWATER 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE TAILWATER CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS
0	966	0	910	16		0	907	16	
1	12	1	36	17		1	48	17	
2	3	2	14	18		2	10	18	
3	1	3	7	19		3	10	19	
4	4	4	8	20		4	3	20	
5		5	1	21		5	5	21	
6		6	2	22		6		22	
7		7	1	23		7	3	23	
8		8	4	24		8		24	
9		9	1	25		9		25	
10		10	1	26		10		26	
11		11		27		11		27	
12		12	1	28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS
0	973	0	843	16		0	865	16	
1	7	1	43	17		1	48	17	
2		2	23	18		2	34	18	
3		3	21	19		3	17	19	
4		4	7	20	4	4	3	20	
5		5	13	21	1	5	3	21	
6		6	5	22		6	1	22	
7	1	7		23		7	10	23	
8		8	5	24	2	8	4	24	
9		9	2	25	2	9		25	
10	1	10	4	26		10		26	
11		11	1	27		11		27	
12		12	4	28		12		28	
13		13		29		13		29	
14		14		30	1	14		30	
15+	4	15	5	31+		15	1	31+	

(TAXA FOR L.FREQS.= BLC WHC BLG )

TABLE CARLYLE LAKE TAILWATER 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE TAILWATER CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CCF	#ANGLERS	#FCF	#ANGLERS	#FCF	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS
0	801	0	958	16		0	983	16	
1	88	1	24	17		1	3	17	
2	51	2	4	18		2		18	
3	20	3		19		3		19	
4	8	4		20		4		20	
5	3	5		21		5		21	
6	3	6		22		6		22	
7	2	7		23		7		23	
8	3	8		24		8		24	
9	4	9		25		9		25	
10	3	10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CCF	#ANGLERS	#FCF	#ANGLERS	#FCF	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS
0	840	0	979	16		0	967	16	
1	79	1	7	17		1	17	17	
2	28	2		18		2		18	
3	25	3		19		3		19	
4	5	4		20		4		20	
5	6	5		21		5		21	
6		6		22		6		22	
7		7		23		7	1	23	
8	2	8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12	1	28	
13	1	13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

( TAXA FOR L.FREQS.= CCF FCF LMB )



TABLE CARLYLE LAKE TAILWATER 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE TAILWATER CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA .

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SAR	#ANGLERS	#WAE	#ANGLERS	#WAE	#ANGLERS	#WHB	#ANGLERS	#WHB	#ANGLERS
0	985	0	976	16		0	753	16	1
1	1	1	8	17		1	78	17	
2		2	1	18		2	56	18	1
3		3		19		3	23	19	1
4		4		20		4	28	20	
5		5	1	21		5	6	21	
6		6		22		6	13	22	
7		7		23		7	8	23	
8		8		24		8	3	24	
9		9		25		9	6	25	
10		10		26		10	6	26	1
11		11		27		11	1	27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	1

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SAR	#ANGLERS	#WAE	#ANGLERS	#WAE	#ANGLERS	#WHB	#ANGLERS	#WHB	#ANGLERS
0	982	0	864	16		0	813	16	
1	2	1	51	17		1	57	17	
2		2	27	18		2	15	18	1
3	2	3	14	19		3	31	19	
4		4	7	20	1	4	18	20	1
5		5	3	21		5	9	21	
6		6	2	22		6	10	22	
7		7	1	23		7	1	23	
8		8	7	24		8	9	24	
9		9		25		9	1	25	1
10		10	1	26		10	6	26	
11		11		27		11	4	27	
12		12	1	28		12	3	28	
13		13	1	29		13		29	
14		14	1	30		14	2	30	
15+		15	2	31+	3	15	4	31+	

(TAXA FOR L.FREQS.= SAR WAE WHB )

TABLE CARLYLE LAKE TAILWATER 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE TAILWATER CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BGB	#ANGLERS	#BKB	#ANGLERS	#BKB	#ANGLERS	#SAB	#ANGLERS	#SAB	#ANGLERS
0	947	0	973	16		0	907	16	
1	17	1	6	17		1	35	17	
2	13	2	1	18		2	24	18	
3	2	3		19		3	7	19	
4	2	4	3	20		4	8	20	
5	1	5		21		5		21	
6	4	6	3	22		6		22	
7		7		23		7	3	23	
8		8		24		8	2	24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BGB	#ANGLERS	#BKB	#ANGLERS	#BKB	#ANGLERS	#SAB	#ANGLERS	#SAB	#ANGLERS
0	956	0	985	16		0	936	16	
1	12	1		17		1	24	17	
2		2		18		2	12	18	
3	12	3	1	19		3	7	19	
4		4		20		4	2	20	
5	2	5		21		5		21	
6		6		22		6		22	
7	1	7		23		7		23	
8		8		24		8		24	
9	2	9		25		9		25	
10		10		26		10	2	26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13	3	29	
14	1	14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= BGB BKB SAB )

TABLE CARLYLE LAKE TAILWATER 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE TAILWATER CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SBH	#ANGLERS	#YLB	#ANGLERS	#YLB	#ANGLERS	#BLB	#ANGLERS	#BLB	#ANGLERS
0	965	0	983	16		0	975	16	
1	17	1	3	17		1	8	17	
2	2	2		18		2	2	18	
3	1	3		19		3	1	19	
4	1	4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SBH	#ANGLERS	#YLB	#ANGLERS	#YLB	#ANGLERS	#BLB	#ANGLERS	#BLB	#ANGLERS
0	986	0	986	16		0	983	16	
1		1		17		1	3	17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= SBH YLB BLB )

TABLE CARLYLE LAKE TAILWATER 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=CARLYLE TAILWATER CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#YEB	#ANGLERS	#CAP	#ANGLERS	#CAP	#ANGLERS	#FRD	#ANGLERS	#FRD	#ANGLERS
0	982	0	869	16		0	906	16	
1	3	1	70	17		1	58	17	
2	1	2	15	18		2	8	18	
3		3	12	19		3	4	19	
4		4	4	20		4	5	20	
5		5	5	21		5	2	21	
6		6	3	22		6		22	
7		7	6	23		7	1	23	
8		8	1	24		8	2	24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14	1	30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#YEB	#ANGLERS	#CAP	#ANGLERS	#CAP	#ANGLERS	#FRD	#ANGLERS	#FRD	#ANGLERS
0	984	0	864	16		0	855	16	
1	1	1	60	17		1	73	17	
2	1	2	24	18		2	23	18	
3		3	14	19		3	13	19	
4		4	7	20		4	13	20	
5		5	5	21		5	5	21	
6		6	2	22		6		22	
7		7	1	23		7	1	23	
8		8	1	24		8		24	
9		9		25		9		25	2
10		10	1	26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13	6	29		13		29	
14		14	1	30		14		30	
15+		15		31+		15	1	31+	

(TAXA FOR L.FREQS.= YEB CAP FRD )

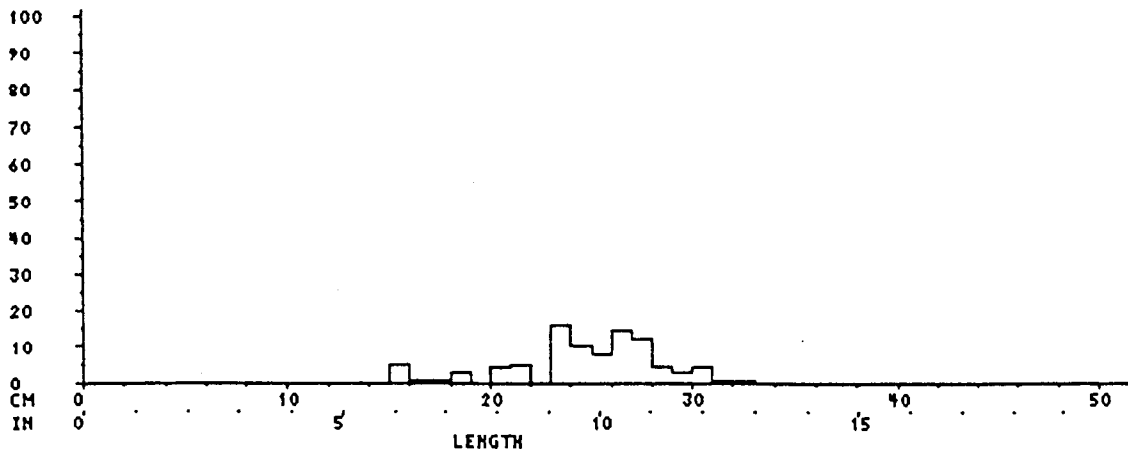


FIGURE 1. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'BLC' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 92 INDIVIDUALS

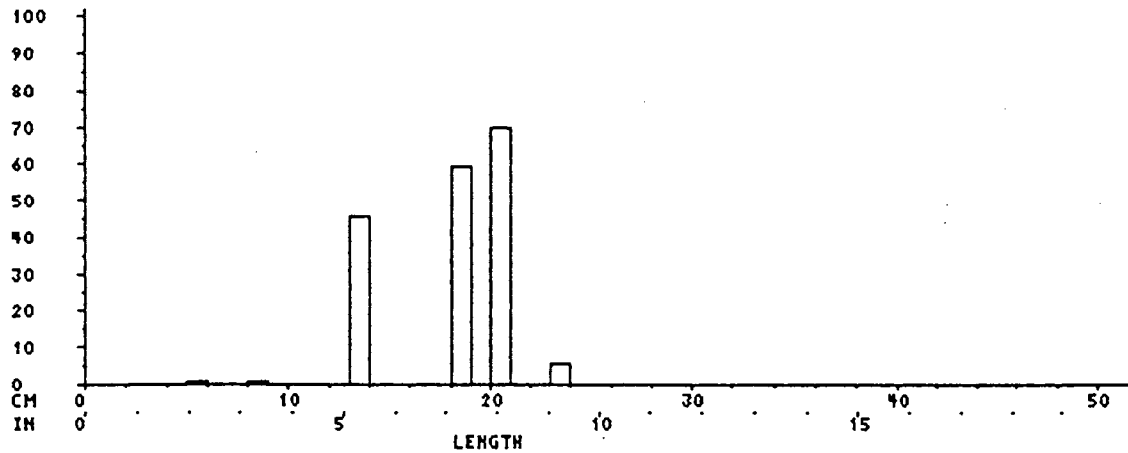


FIGURE 2. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'BLC' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 183 INDIVIDUALS

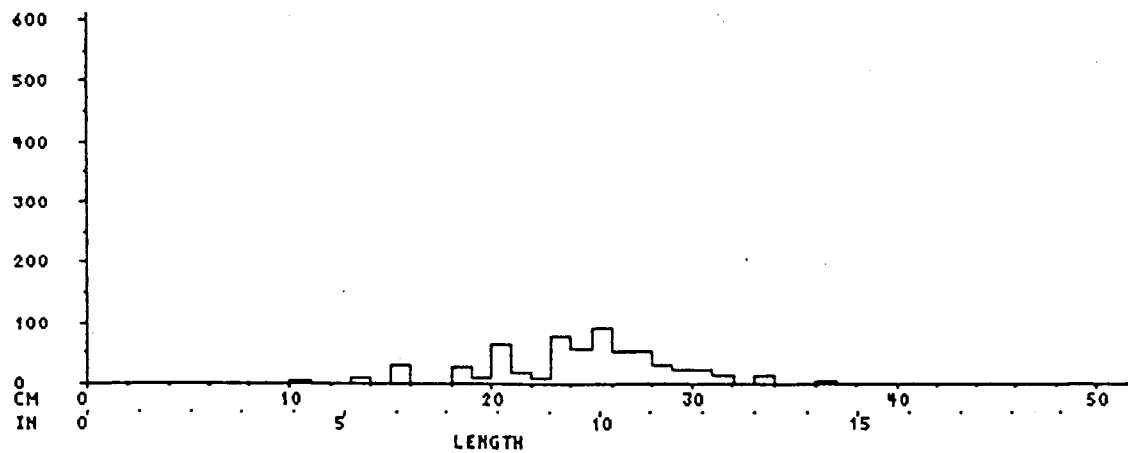


FIGURE 3. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'WMC' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 602 INDIVIDUALS

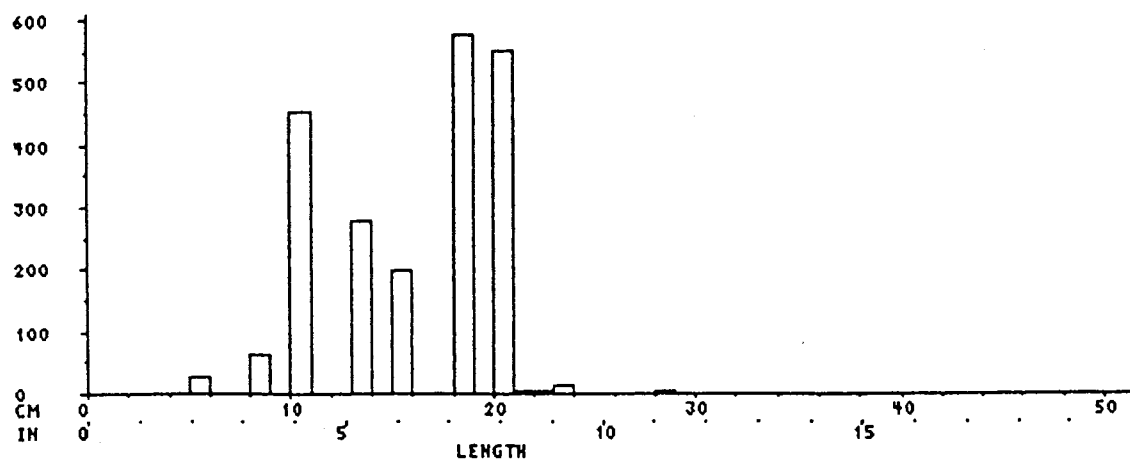


FIGURE 4. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'MHC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 2188 INDIVIDUALS

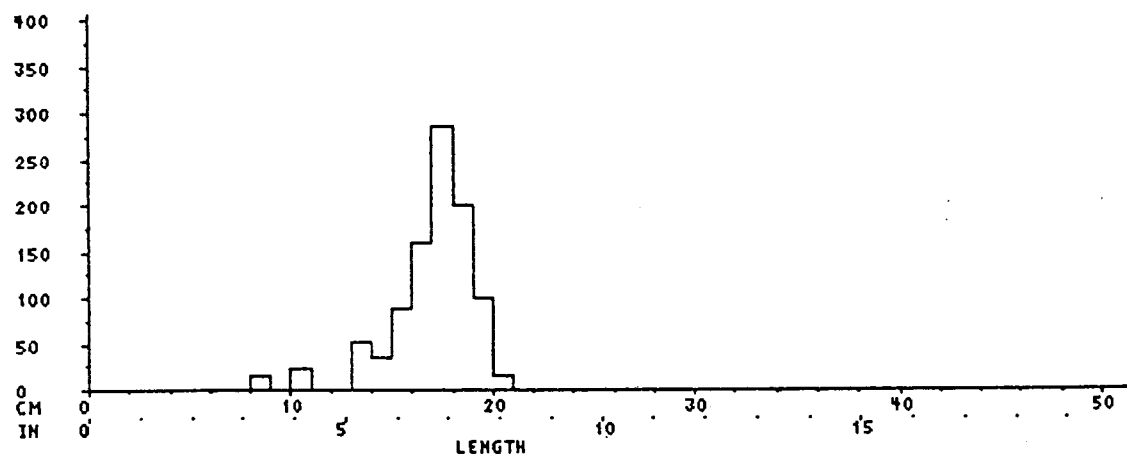


FIGURE 5. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 973 INDIVIDUALS

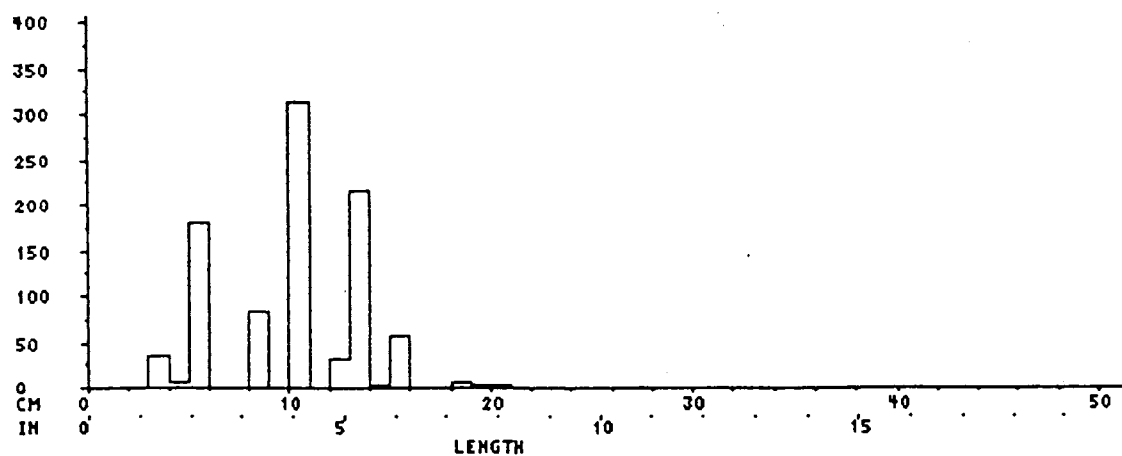


FIGURE 6. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 935 INDIVIDUALS

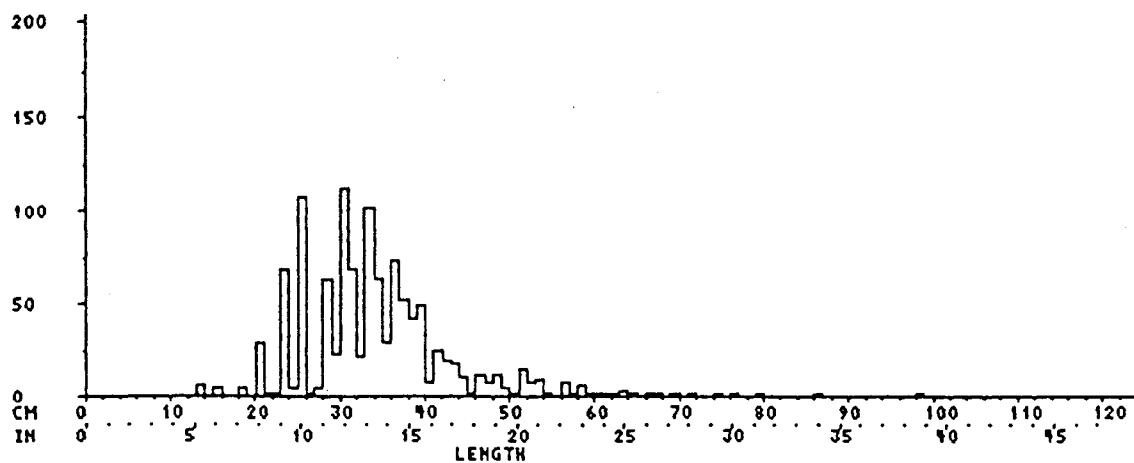


FIGURE 7. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1108 INDIVIDUALS

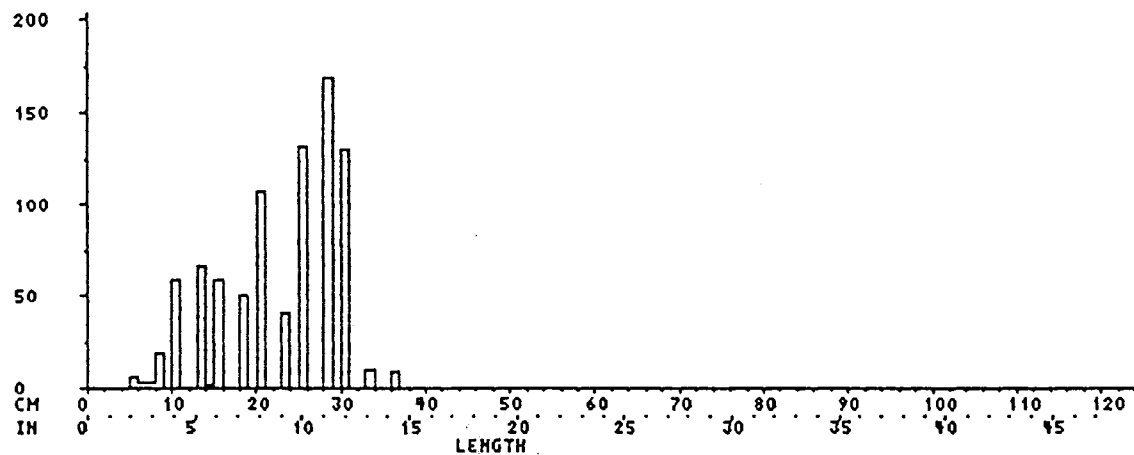


FIGURE 8. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 861 INDIVIDUALS

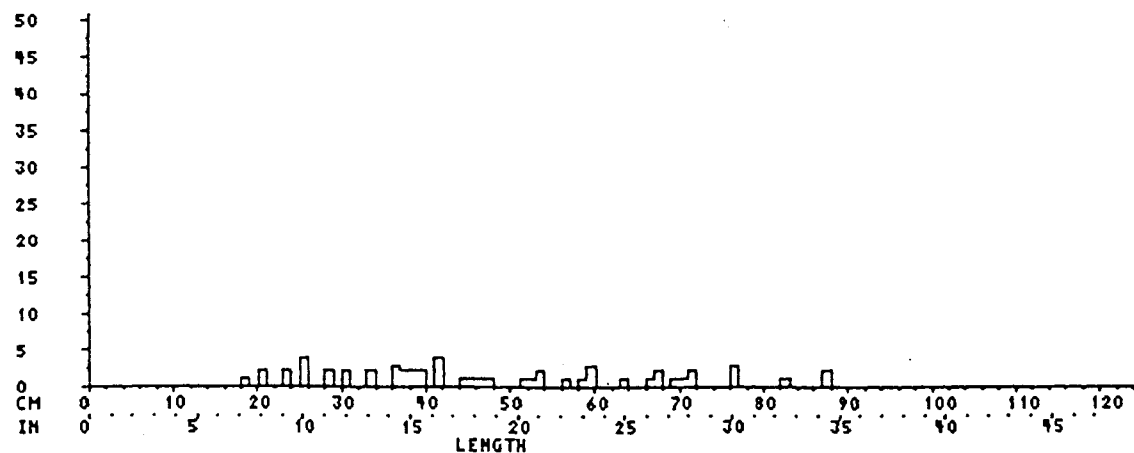


FIGURE 9. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'FCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 55 INDIVIDUALS

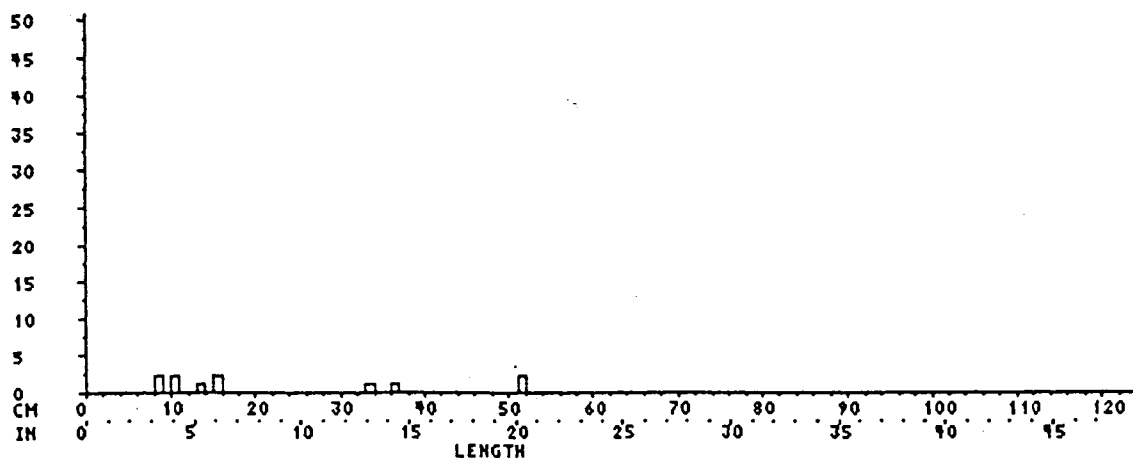


FIGURE 10. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'FCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 11 INDIVIDUALS

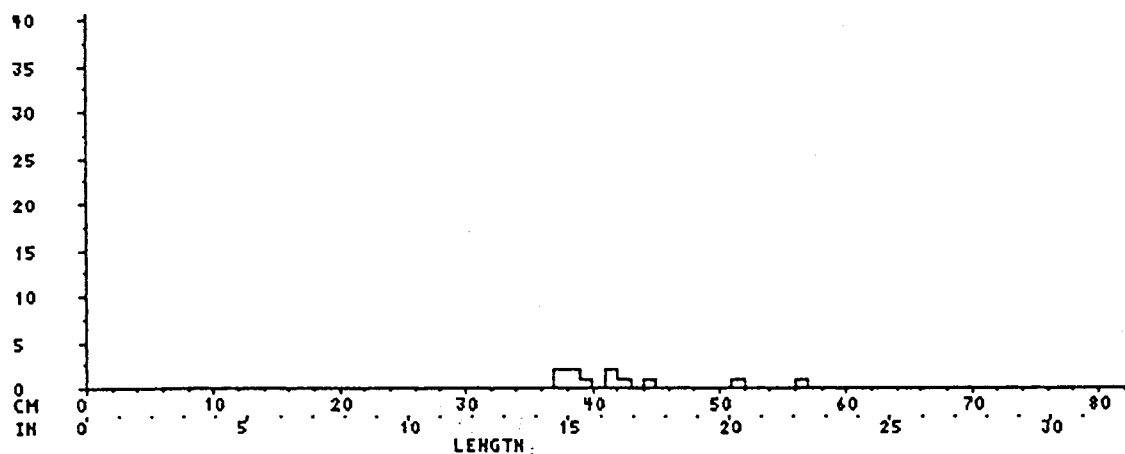


FIGURE 11. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 11 INDIVIDUALS

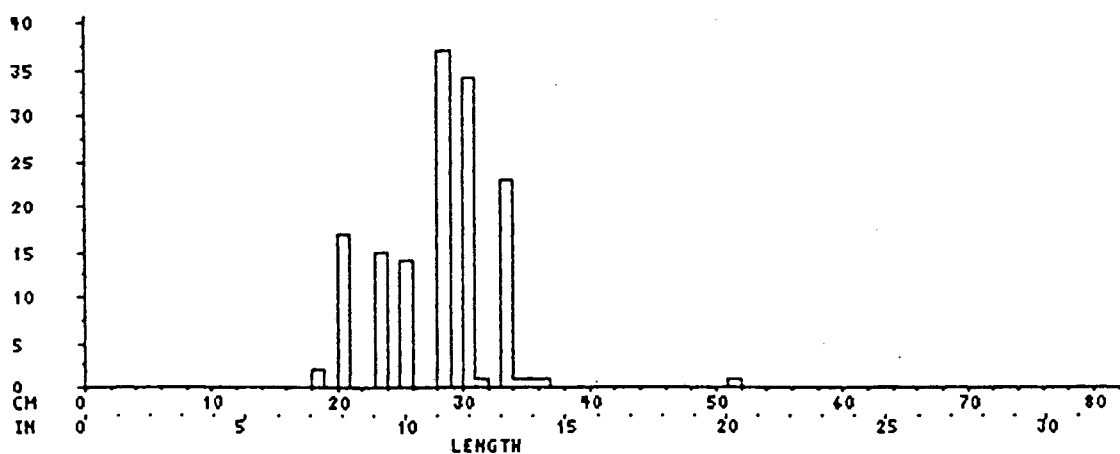


FIGURE 12. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 147 INDIVIDUALS



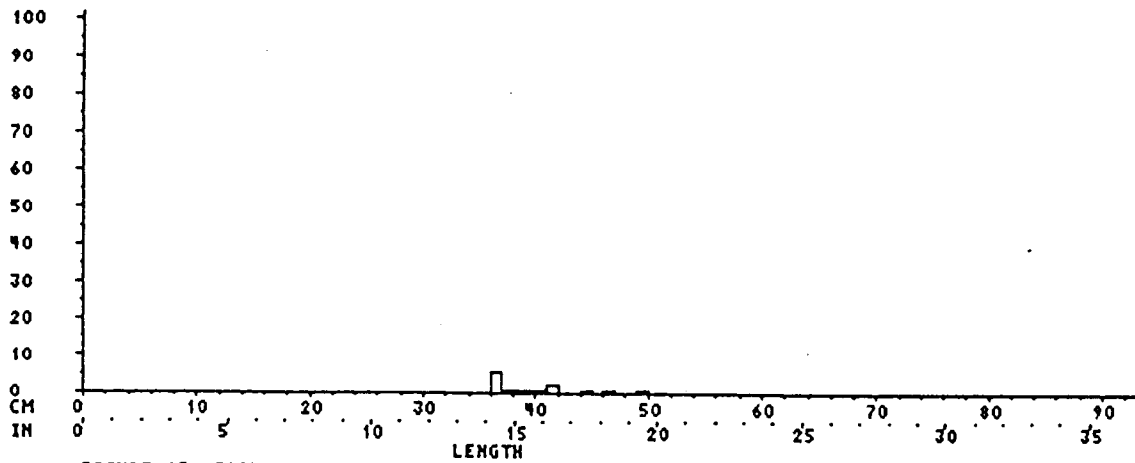


FIGURE 13. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'SAR' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 15 INDIVIDUALS

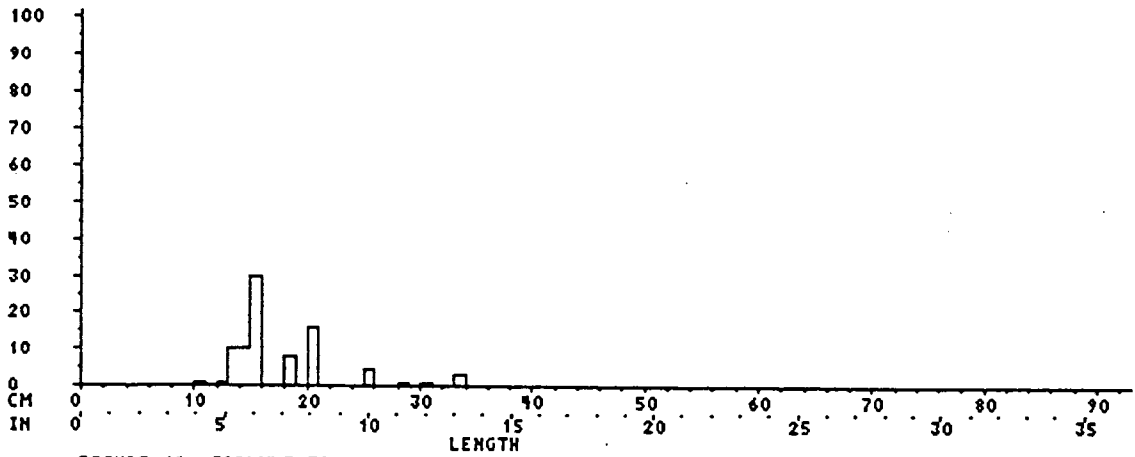


FIGURE 14. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'SAR' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 85 INDIVIDUALS

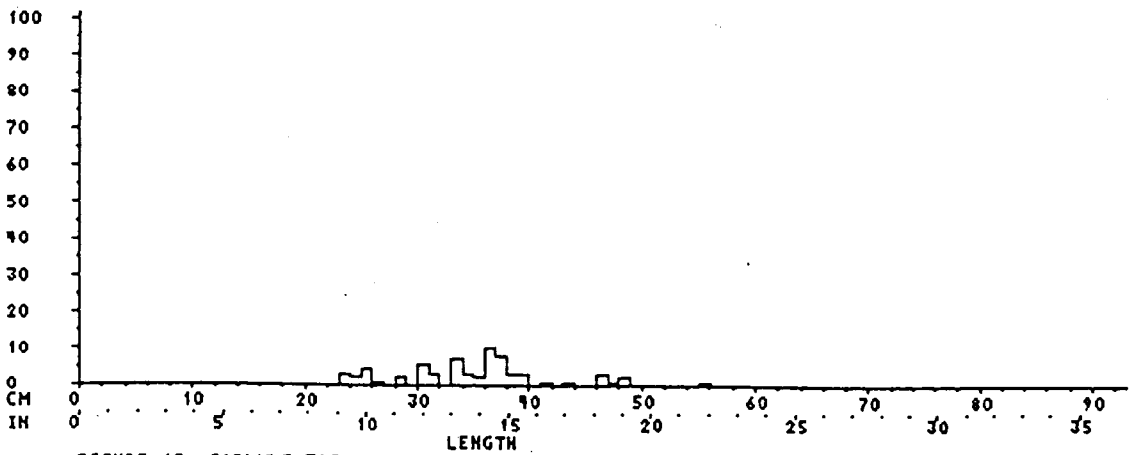


FIGURE 15. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'WAE' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 66 INDIVIDUALS

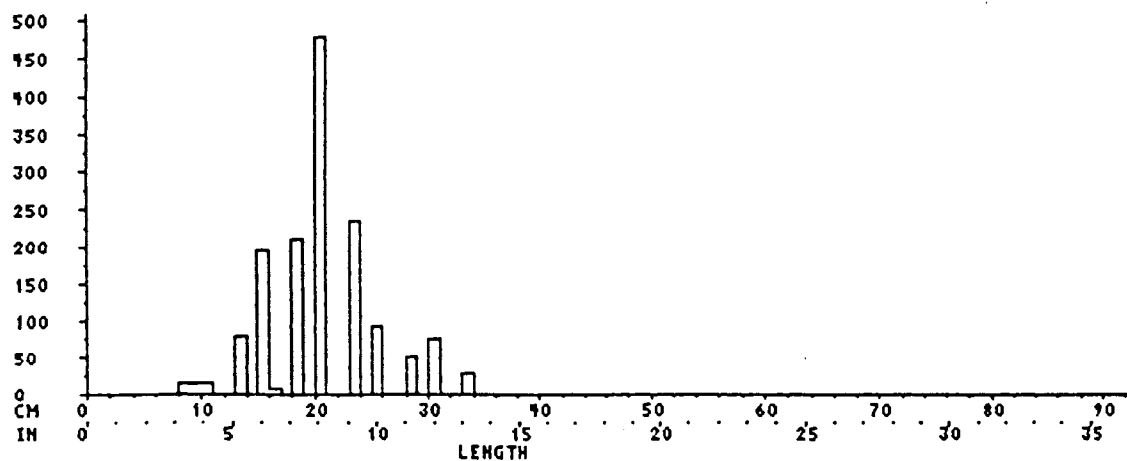


FIGURE 16. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'WAE' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 1502 INDIVIDUALS

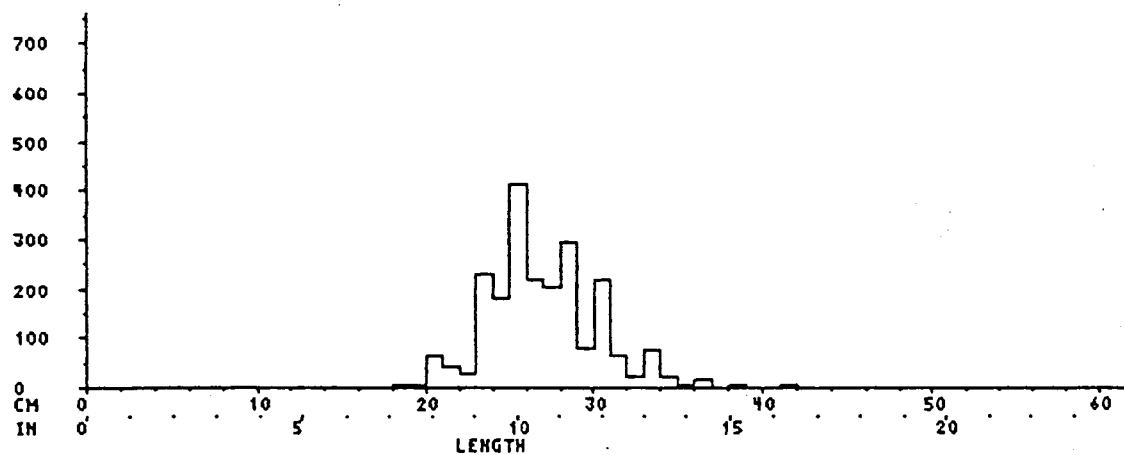


FIGURE 17. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'WHB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 2200 INDIVIDUALS

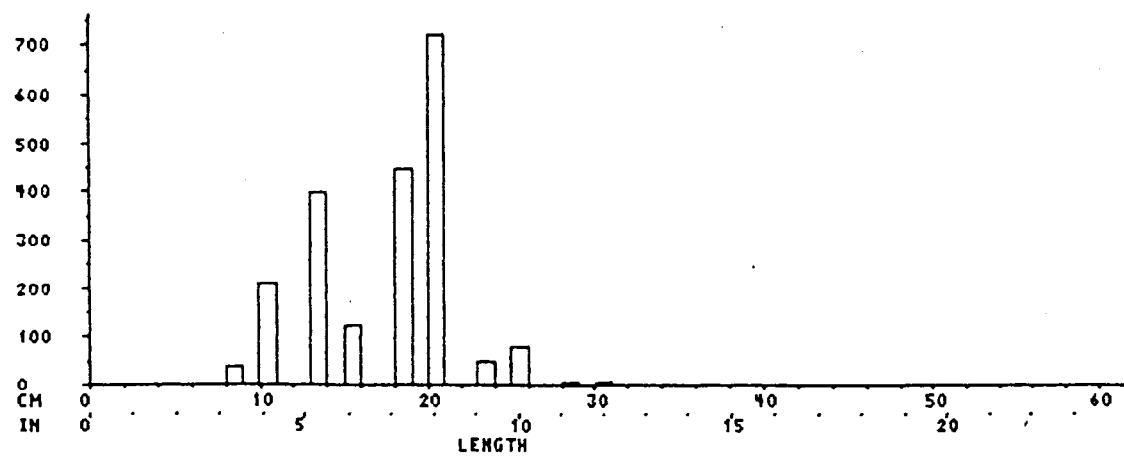
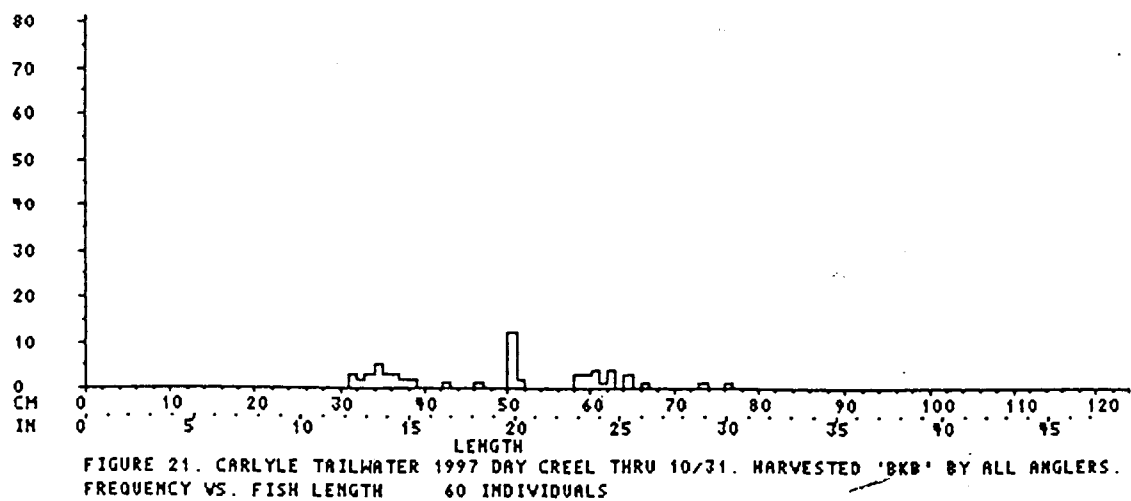
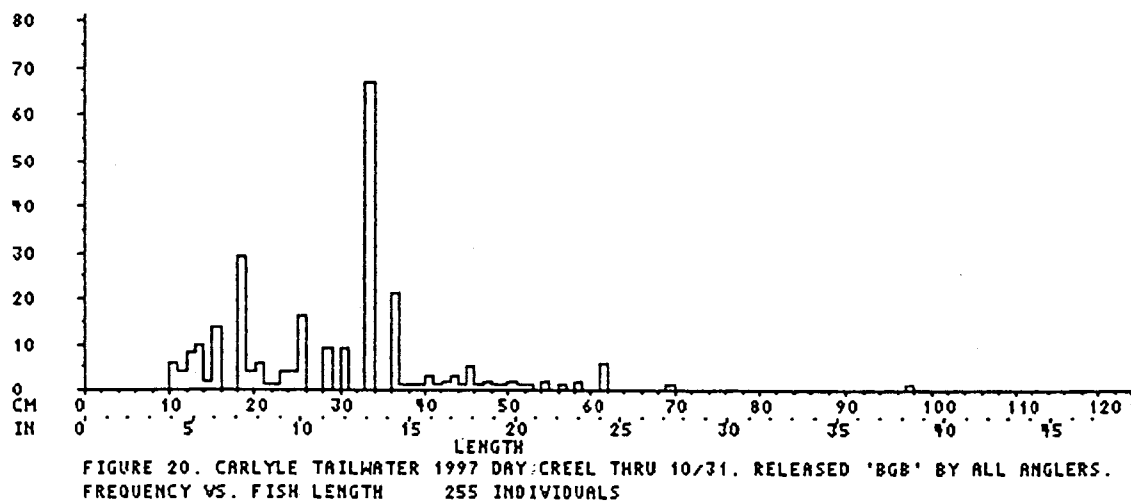
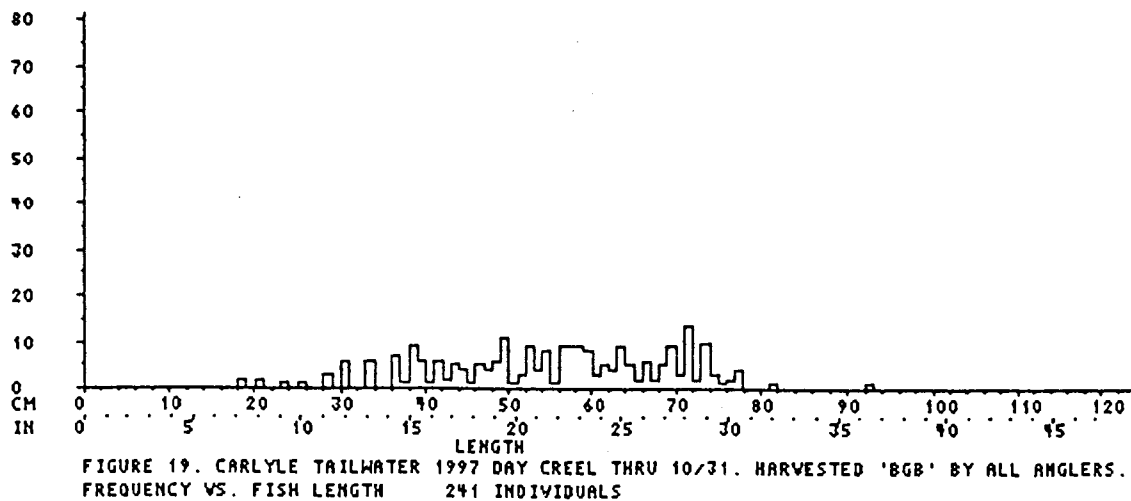


FIGURE 18. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'WHB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 2048 INDIVIDUALS



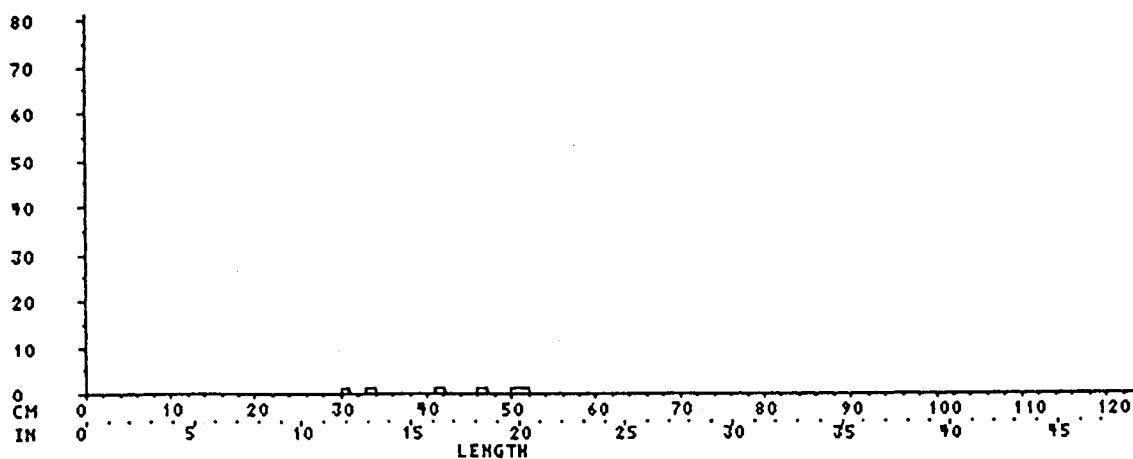


FIGURE 22. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'BKB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 6 INDIVIDUALS

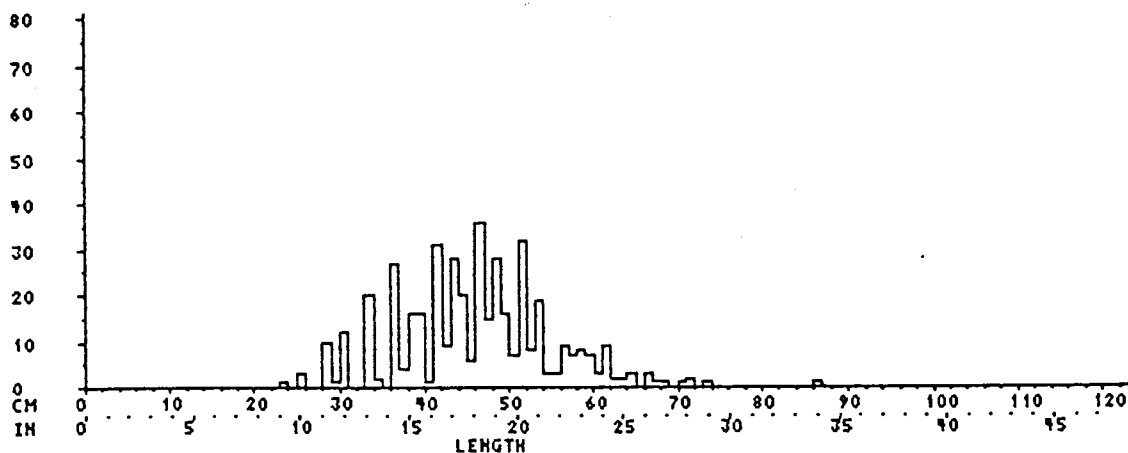


FIGURE 23. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'SAB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 434 INDIVIDUALS

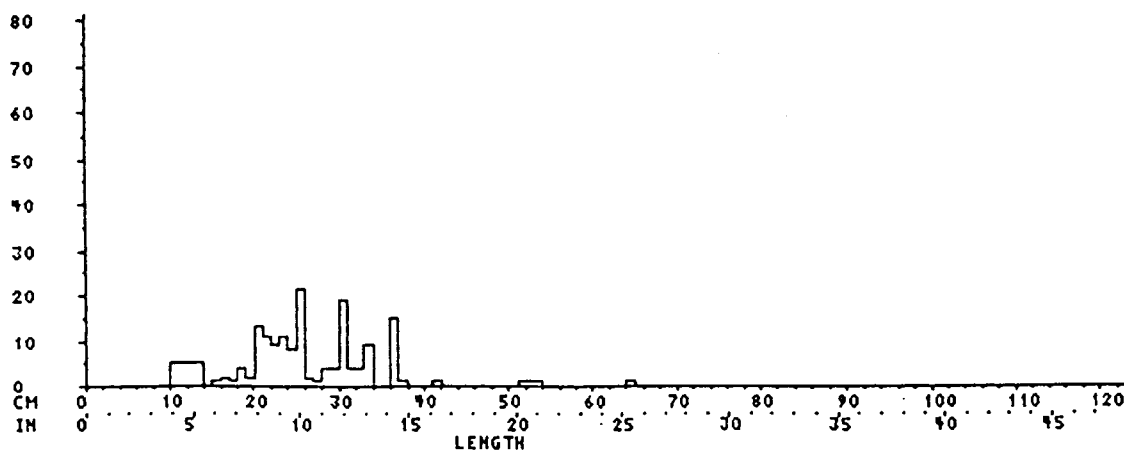


FIGURE 24. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'SAB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 171 INDIVIDUALS

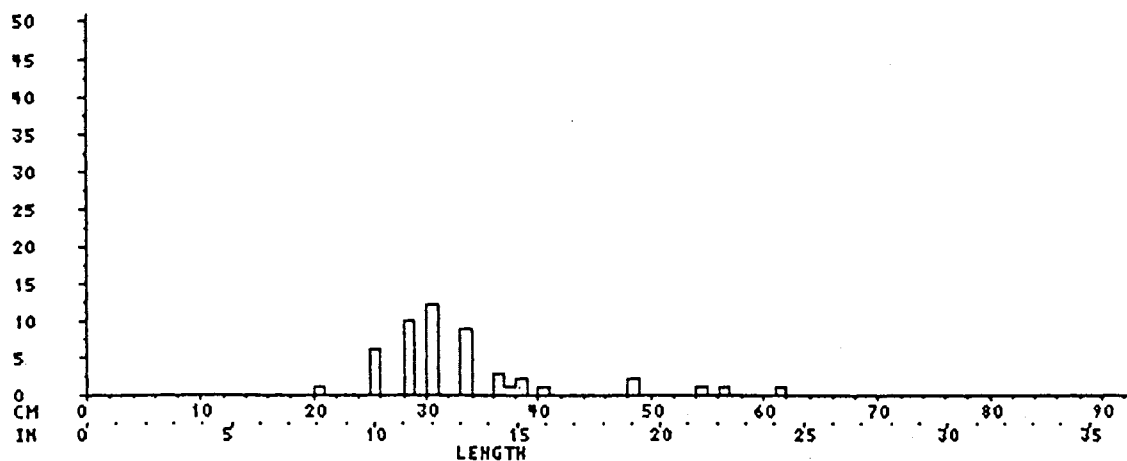


FIGURE 25. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'SBH' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 50 INDIVIDUALS

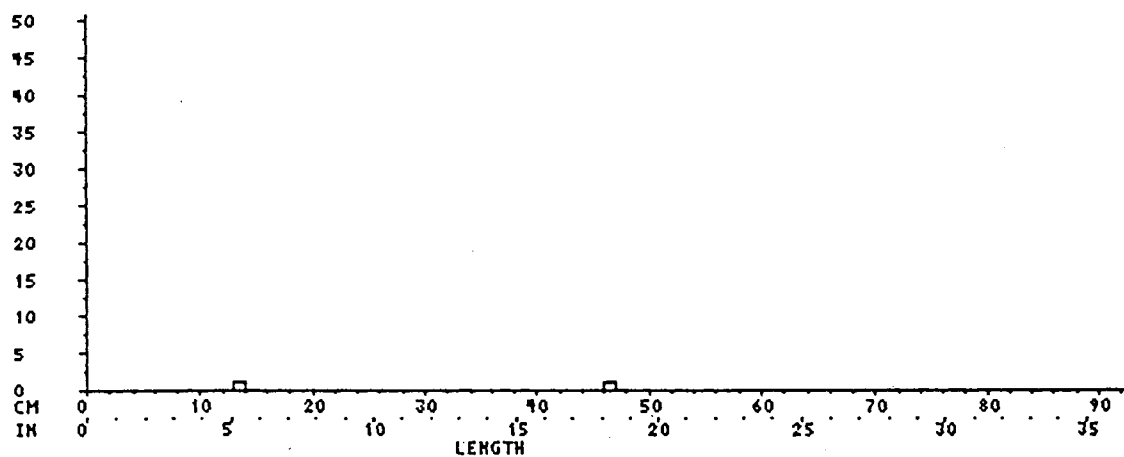


FIGURE 26. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'SBH' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 2 INDIVIDUALS

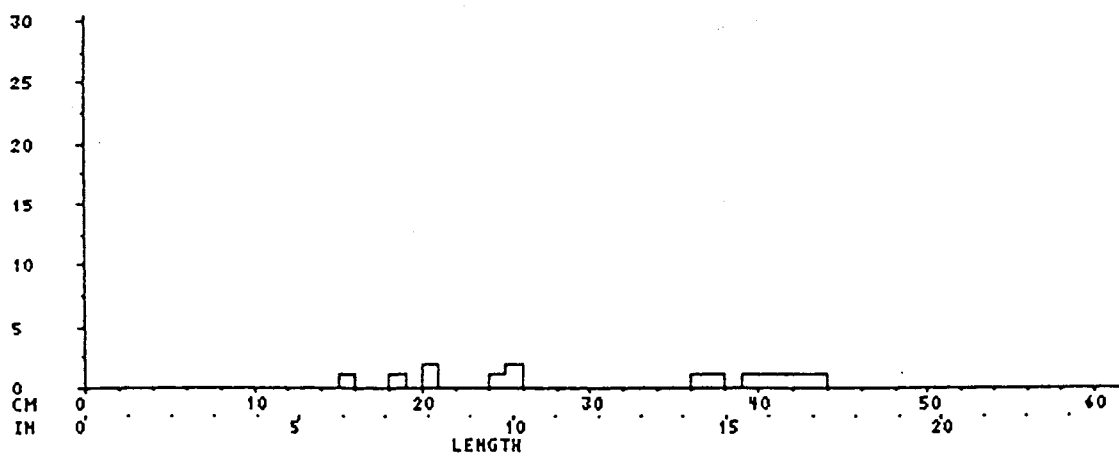


FIGURE 27. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'YLB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 14 INDIVIDUALS

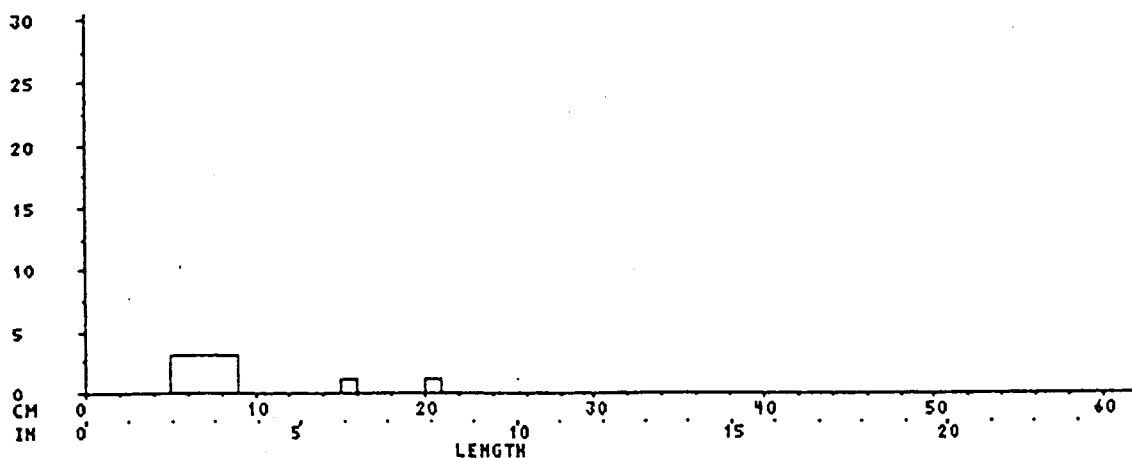


FIGURE 28. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'YLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 14 INDIVIDUALS

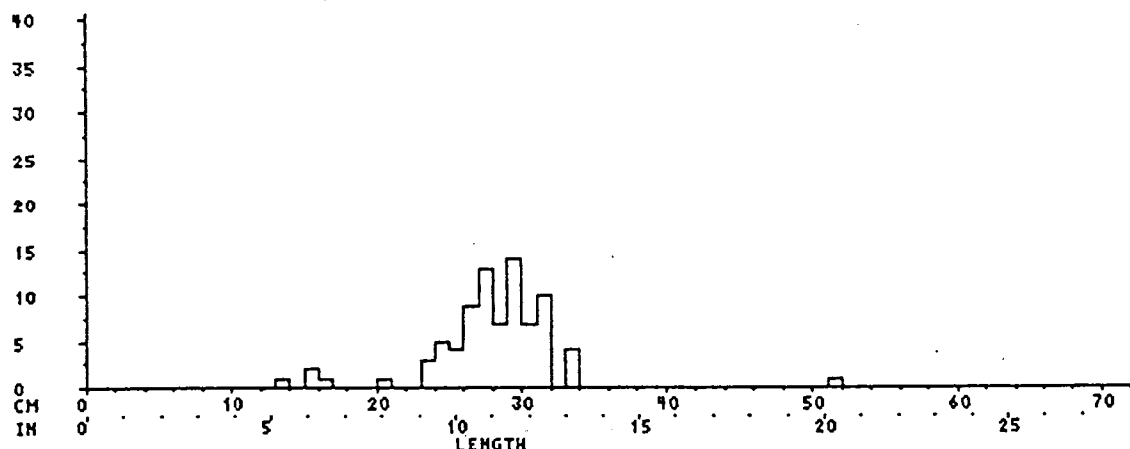


FIGURE 29. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'BLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 82 INDIVIDUALS

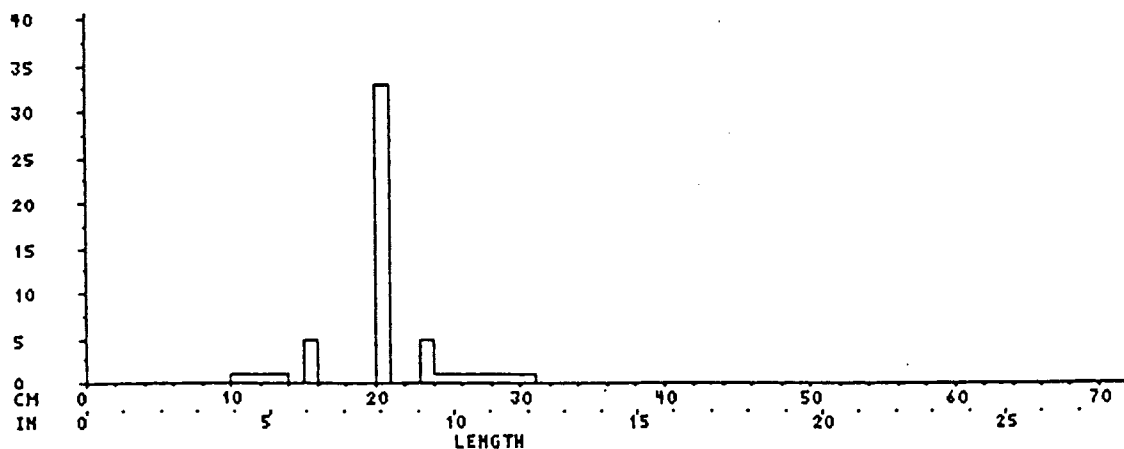


FIGURE 30. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'BLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 54 INDIVIDUALS

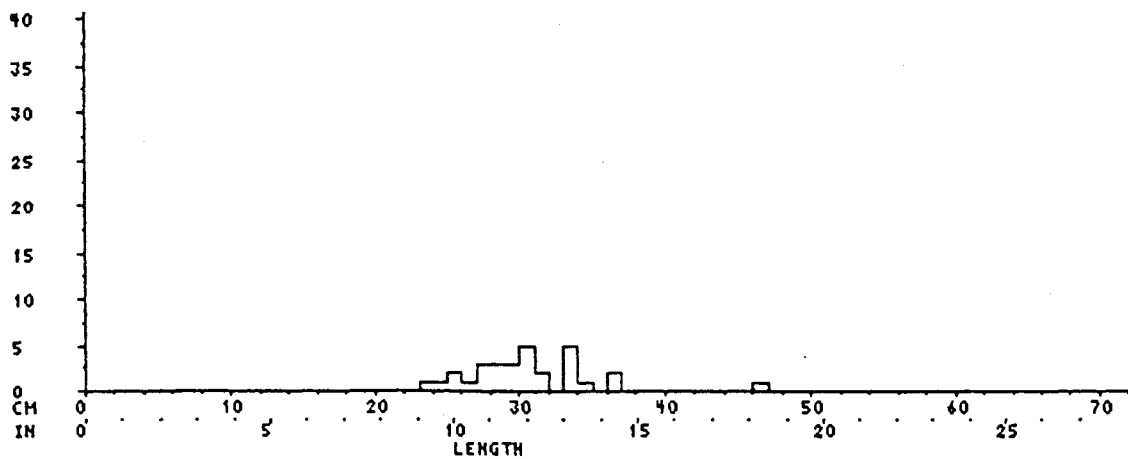


FIGURE 31. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'YEB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 30 INDIVIDUALS

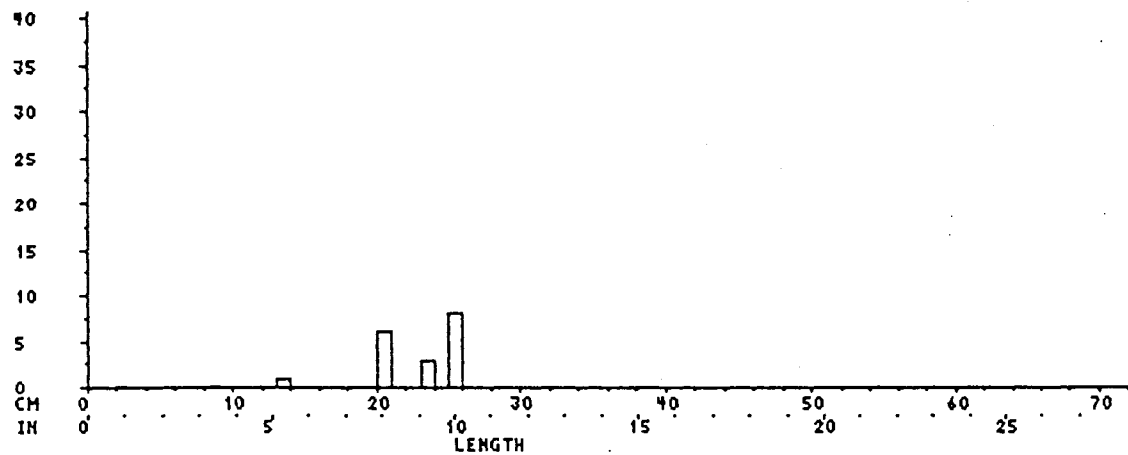


FIGURE 32. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'YEB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 18 INDIVIDUALS

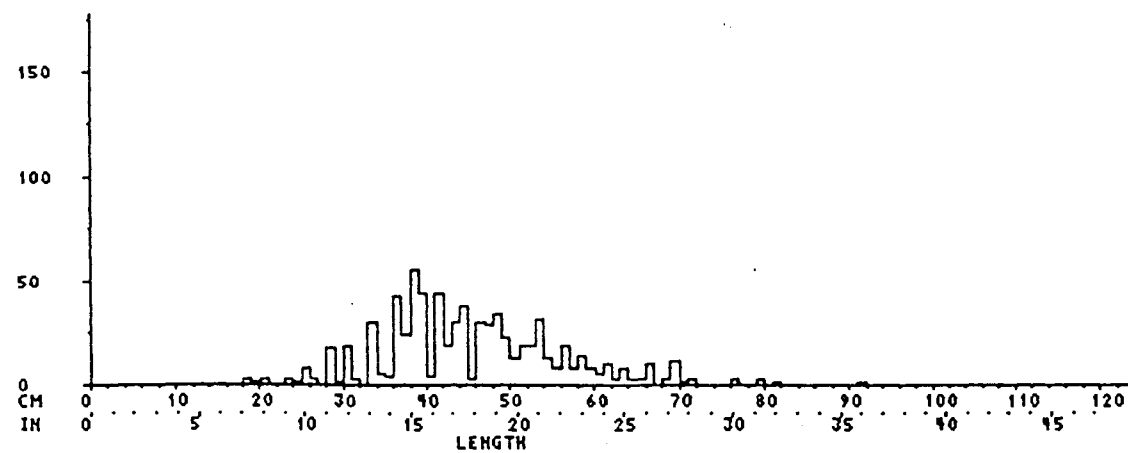


FIGURE 33. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'CAP' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 730 INDIVIDUALS

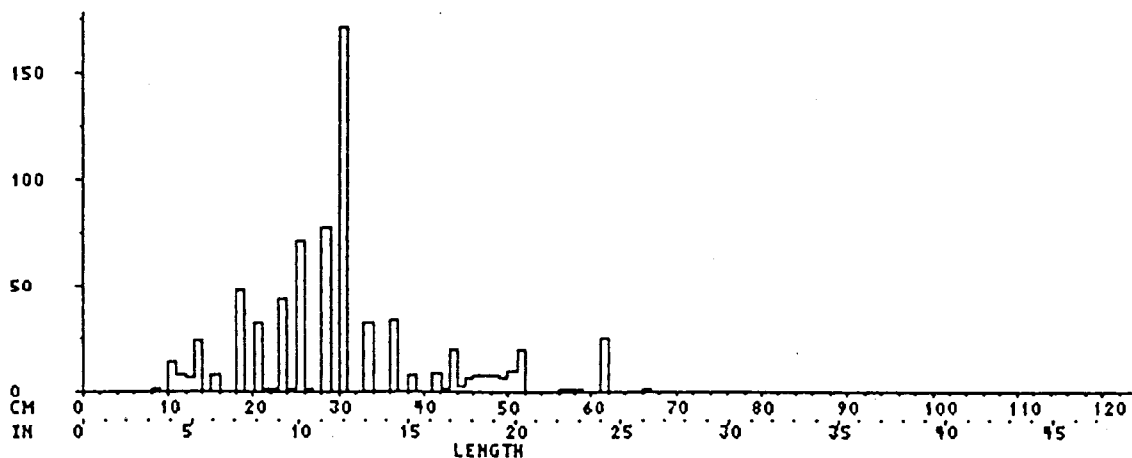


FIGURE 34. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'CAP' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 706 INDIVIDUALS

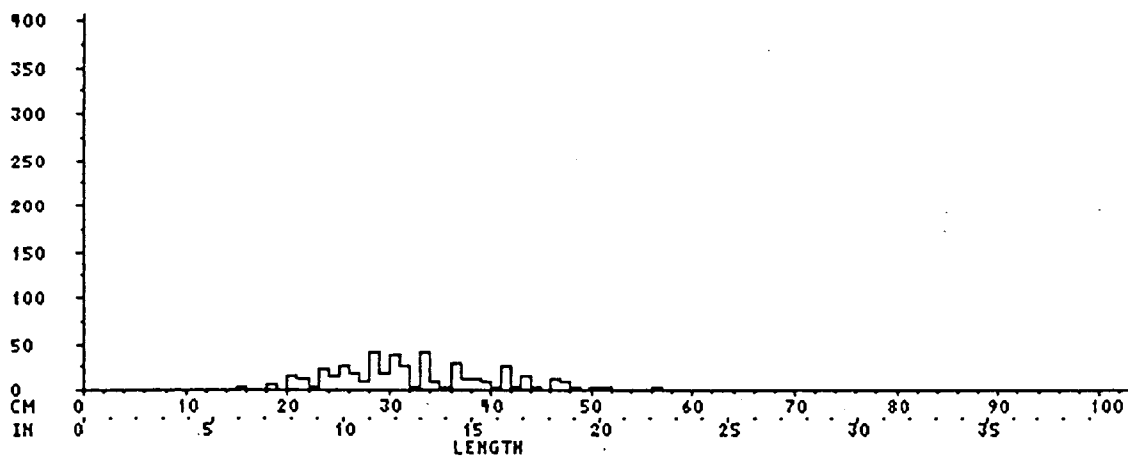


FIGURE 35. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. HARVESTED 'FRD' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 453 INDIVIDUALS

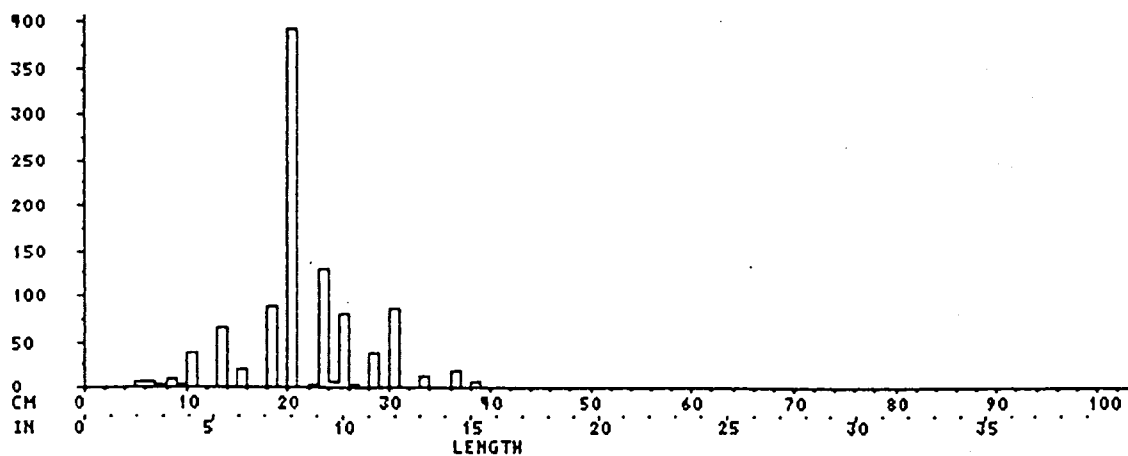


FIGURE 36. CARLYLE TAILWATER 1997 DAY CREEL THRU 10/31. RELEASED 'FRD' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 1020 INDIVIDUALS



EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=2 LAKE :=HEIDECKE LAKE  
 DISTRICT :=09 YEAR :=97  
 ACREAGE :1899 SAMPLING RATIO :=247/549 = 44.9%  
 NUMBER OF INTERVIEWS:4855

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1

	ANGL HRS	95% CONF INTVL	HRS/ ACRE	95% CONF INTVL	% EFF INTVD
BOAT FISHING:					
WEEKDAY	36327	33332-43322 ( 13%)	20	18-23 ( 13%)	10.26
WKND/HOL	43390	37362-49418 ( 14%)	23	20-26 ( 14%)	17.47
STR TOTAL	81717	74161-89273 ( 9%)	43	39-47 ( 9%)	14.09
SHORE FISHING:					
WEEKDAY	25763	23075-28451 ( 10%)	14	12-15 ( 10%)	14.26
WKND/HOL	24152	20895-27409 ( 13%)	13	11-14 ( 13%)	28.56
STR TOTAL	49915	45848-53982 ( 8%)	26	24-28 ( 8%)	21.18
BOAT/SHORE COALESCED:					
WEEKDAY	63569	56543-70595 ( 11%)	33	30-37 ( 11%)	11.97
WKND/HOL	67207	58571-75843 ( 13%)	35	31-40 ( 13%)	21.54
STR TOTAL	130776	120034-141518 ( 8%)	69	63-75 ( 8%)	16.89
BOAT/SHORE STRATIFIED:					
WEEKDAY	64093	58494-69692 ( 9%)	34	31-37 ( 9%)	11.87
WKND/HOL	67543	60900-74186 ( 10%)	36	32-39 ( 10%)	21.44
STR TOTAL	131636	123136-140136 ( 6%)	69	65-74 ( 6%)	16.78

HARVESTED AND CPUE TABLE                    \*\*\* DAY \*\*\*  
 REGION :=2                    LAKE :=HEIDECKE LAKE  
 DISTRICT :=09                    YEAR :=97  
 ACREAGE :1899                    SAMPLING RATIO :=494/1098 = 44.9%  
 RATIO OF EFFORT HOURS INTERVIEWED := 22087.2/131639.8 = 16.77%  
 NUMBER OF INTERVIEWS: 4855

COMBINED ACROSS STRATA:

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1

MSC SPECIES CAUGHT:

WHB SMB MUE STB SBH CAP FRD YEB BLB TGM GZS FCF BGH  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.000	+- .000 (182 %)	10	+-28 (185 %)	.01	.00
BLG	.040	.028-.052 ( 30 %)	4661	2979-6344 ( 36 %)	6.07	2.46
CCF	.042	.024-.060 ( 43 %)	3784	2531-5036 ( 33 %)	4.92	1.99
GSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.000	+- .000 (105 %)	64	23-104 ( 64 %)	.08	.04
RSF	.000	+- .002 (318 %)	140	+-585 (318 %)	.18	.08
WAE	.015	.012-.018 ( 21 %)	2254	1654-2853 ( 27 %)	2.93	1.19
WHC		*** NOT RECORDED ***		*** NOT RECORDED ***		
YLB	.016	.004-.028 ( 77 %)	1790	601-2978 ( 66 %)	2.33	.94
MSC	.034	.026-.041 ( 22 %)	4279	3415-5143 ( 20 %)	5.57	2.26
TOT	.147	.120-.174 ( 18 %)	16980	13893-20068 ( 18 %)	22.09	8.94

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.000	+- .000 (234 %)	4	+-13 (235 %)	.005	406.1
BLG	.007	.004-.009 ( 37 %)	818	375-1262 ( 54 %)	1.065	175.6
CCF	.022	.010-.034 ( 54 %)	2394	995-3794 ( 58 %)	3.115	632.8
GSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.000	+- .001 (110 %)	91	31-151 ( 66 %)	.118	1426.1
RSF	.000	+- .000 (318 %)	26	+-109 (318 %)	.034	185.9
WAE	.015	.011-.018 ( 22 %)	2274	1660-2888 ( 27 %)	2.959	1009.2
WHC		*** NOT RECORDED ***		*** NOT RECORDED ***		
YLB	.005	.000-.009 ( 96 %)	474	210-738 ( 56 %)	.616	264.7
MSC	.024	.020-.029 ( 19 %)	3147	2557-3736 ( 19 %)	4.094	735.3
TOT	.073	.059-.088 ( 20 %)	9228	7395-11061 ( 20 %)	12.007	543.4

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.000	+- .000 (234 %)	9	+-29 (235 %)	.005	.8954
BLG	.015	.009-.020 ( 37 %)	1804	827-2782 ( 54 %)	.950	.3871
CCF	.049	.023-.076 ( 54 %)	5278	2193-8364 ( 58 %)	2.779	1.3951
GSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.001	+- .003 (110 %)	200	68-332 ( 66 %)	.105	3.1439
RSF	.000	+- .000 (318 %)	57	+-240 (318 %)	.030	.4097
WAE	.032	.025-.039 ( 22 %)	5014	3660-6368 ( 27 %)	2.640	2.2248
WHC		*** NOT RECORDED ***		*** NOT RECORDED ***		
YLB	.010	.000-.020 ( 96 %)	1044	462-1626 ( 56 %)	.550	.5835
MSC	.053	.043-.064 ( 19 %)	6937	5637-8237 ( 19 %)	3.653	1.6211
TOT	.161	.129-.194 ( 20 %)	20344	16303-24384 ( 20 %)	10.713	1.1981

HARVESTED AND CPUE TABLE      \*\*\* DAY \*\*\*  
 REGION :=2      LAKE :=HEIDECKE LAKE  
 DISTRICT :=09      YEAR :=97  
 ACREAGE :1899      SAMPLING RATIO :=494/1098 = 44.9%  
 RATIO OF EFFORT HOURS INTERVIEWED := 22087.2/131639.8 = 16.77%  
 NUMBER OF INTERVIEWS: 4855

COMBINED ACROSS STRATA:

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1

MSC SPECIES CAUGHT:

WAE LMB YLB CCF CAP FRD BLG GSF BLC GZS WHC RSF BGH

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLB	.000	.000-.000 ( 68 %)	122	26-218 ( 79 %)	.16	.07
FCF	.000	+- .000 (207 %)	5	+-17 (207 %)	.00	.00
MUE	***	NOT RECORDED ***	***	NOT RECORDED ***		
SBH	.000	+- .002 (112 %)	100	5-195 ( 95 %)	.13	.05
SMB	.003	.002-.004 ( 43 %)	387	249-525 ( 36 %)	.50	.21
STB	.019	.015-.024 ( 25 %)	2260	1735-2785 ( 23 %)	2.94	1.19
TGM	***	NOT RECORDED ***	***	NOT RECORDED ***		
WHB	.006	.000-.010 ( 84 %)	997	444-1550 ( 55 %)	1.30	.53
YEB	.000	+- .002 (125 %)	71	+-146 (107 %)	.09	.04
MSC	.117	.091-.143 ( 22 %)	13038	10321-15756 ( 21 %)	16.97	6.87
TOT	.147	.120-.174 ( 18 %)	16980	13893-20068 ( 18 %)	22.09	8.94

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT (G)
BLB	.000	.000-.000 ( 74 %)	76	+-171 (125 %)	.098	622.6
FCF	.000	+- .000 (207 %)	8	+-24 (207 %)	.010	1435.2
MUE	***	NOT RECORDED ***	***	NOT RECORDED ***		
SBH	.001	+- .003 (141 %)	113	7-219 ( 94 %)	.147	1132.4
SMB	.003	.002-.005 ( 42 %)	439	287-591 ( 35 %)	.571	1134.3
STB	.014	.011-.018 ( 26 %)	1681	1293-2068 ( 23 %)	2.187	743.6
TGM	***	NOT RECORDED ***	***	NOT RECORDED ***		
WHB	.002	.000-.003 ( 66 %)	452	212-692 ( 53 %)	.588	453.2
YEB	.000	+- .000 (134 %)	26	+-57 (116 %)	.034	371.1
MSC	.052	.038-.065 ( 27 %)	6433	4774-8093 ( 26 %)	8.371	493.4
TOT	.073	.059-.088 ( 20 %)	9228	7395-11061 ( 20 %)	12.007	543.4

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT (LB)
BLB	.000	.000-.000 ( 74 %)	167	+-376 (125 %)	.088	1.3727
FCF	.000	+- .000 (207 %)	17	+-53 (207 %)	.009	3.1641
MUE	***	NOT RECORDED ***	***	NOT RECORDED ***		
SBH	.003	+- .006 (141 %)	250	16-484 ( 94 %)	.131	2.4965
SMB	.008	.004-.011 ( 42 %)	968	633-1303 ( 35 %)	.510	2.5006
STB	.032	.023-.040 ( 26 %)	3705	2850-4560 ( 23 %)	1.951	1.6394
TGM	***	NOT RECORDED ***	***	NOT RECORDED ***		
WHB	.005	.002-.008 ( 66 %)	996	468-1525 ( 53 %)	.525	.9991
YEB	.000	+- .002 (134 %)	58	+-125 (116 %)	.031	.8181
MSC	.114	.083-.144 ( 27 %)	14183	10524-17841 ( 26 %)	7.468	1.0878
TOT	.161	.129-.194 ( 20 %)	20344	16303-24384 ( 20 %)	10.713	1.1981

## CAUGHT AND CPUE TABLE

\*\*\* DAY \*\*\*

REGION :=2 LAKE :=HEIDECKE LAKE  
 DISTRICT :=09 YEAR :=97  
 ACREAGE :1899 SAMPLING RATIO :=494/1098 = 44.9%  
 RATIO OF EFFORT HOURS INTERVIEWED := 22087.2/131639.8 = 16.77%  
 NUMBER OF INTERVIEWS: 4855

## COMBINED ACROSS STRATA:

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1

## MSC SPECIES CAUGHT:

WHB SMB MUE STB SBH CAP FRD YEB BLB TGM GZS FCF BGH  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLC	.000	+- .000 (144 %)	12	+-30 (146 %)	.02	.00
BLG	.071	.053-.089 ( 26 %)	8960	6348-11571 ( 29 %)	11.66	4.72
CCF	.101	.080-.123 ( 21 %)	10367	7950-12784 ( 23 %)	13.49	5.46
GSF	.001	.000-.002 ( 59 %)	142	44-241 ( 69 %)	.19	.08
LMB	.009	.006-.012 ( 36 %)	1436	1035-1837 ( 28 %)	1.87	.76
RSF	.000	+- .002 (318 %)	140	+-585 (318 %)	.18	.08
WAE	.051	.033-.069 ( 36 %)	5869	4628-7109 ( 21 %)	7.64	3.09
WHC		*** NOT RECORDED ***		*** NOT RECORDED ***		
YLB	.017	.005-.029 ( 71 %)	1956	762-3150 ( 61 %)	2.55	1.03
MSC	.237	.197-.276 ( 17 %)	31304	25882-36726 ( 17 %)	40.73	16.49
TOT	.488	.436-.539 ( 11 %)	60186	52162-68210 ( 13 %)	78.31	31.70

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT (G)
BLC	.000	+- .000 (204 %)	4	+-14 (223 %)	.005	341.3
BLG	.008	.006-.011 ( 32 %)	1078	617-1540 ( 43 %)	1.403	120.4
CCF	.032	.018-.045 ( 42 %)	3301	1873-4729 ( 43 %)	4.295	318.4
GSF	.000	.000-.000 ( 90 %)	8	-15 ( 88 %)	.010	54.9
LMB	.006	.004-.009 ( 41 %)	1089	735-1444 ( 33 %)	1.418	758.6
RSF	.000	+- .000 (318 %)	26	+-109 (318 %)	.034	185.9
WAE	.031	.013-.049 ( 59 %)	3485	2684-4285 ( 23 %)	4.534	593.8
WHC		*** NOT RECORDED ***		*** NOT RECORDED ***		
YLB	.005	.000-.009 ( 91 %)	500	235-765 ( 53 %)	.651	255.8
MSC	.115	.093-.138 ( 20 %)	16220	12925-19514 ( 20 %)	21.105	518.1
TOT	.198	.167-.228 ( 15 %)	25711	21356-30066 ( 17 %)	33.455	427.2

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT (LB)
BLC	.000	+- .000 (204 %)	9	+-30 (223 %)	.005	.7524
BLG	.019	.013-.024 ( 32 %)	2377	1359-3395 ( 43 %)	1.252	.2653
CCF	.070	.041-.098 ( 42 %)	7277	4128-10426 ( 43 %)	3.832	.7019
GSF	.000	.000-.000 ( 90 %)	17	2-32 ( 88 %)	.009	.1211
LMB	.014	.008-.019 ( 41 %)	2402	1620-3184 ( 33 %)	1.265	1.6724
RSF	.000	+- .000 (318 %)	57	+-240 (318 %)	.030	.4099
WAE	.068	.028-.109 ( 59 %)	7682	5917-9447 ( 23 %)	4.046	1.3091
WHC		*** NOT RECORDED ***		*** NOT RECORDED ***		
YLB	.011	.000-.021 ( 91 %)	1103	519-1687 ( 53 %)	.581	.5639
MSC	.254	.204-.304 ( 20 %)	35758	28495-43021 ( 20 %)	18.830	1.1423
TOT	.436	.368-.503 ( 15 %)	56683	47082-66284 ( 17 %)	29.849	.9418

CAUGHT AND CPUE TABLE      \*\*\* DAY \*\*\*  
 REGION :=2      LAKE :=HEIDECKE LAKE  
 DISTRICT :=09      YEAR :=97  
 ACREAGE :1899      SAMPLING RATIO :=494/1098 = 44.9%  
 RATIO OF EFFORT HOURS INTERVIEWED := 22087.2/131639.8 = 16.77%  
 NUMBER OF INTERVIEWS: 4855

COMBINED ACROSS STRATA:

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1

MSC SPECIES CAUGHT:

WAE LMB YLB CCF CAP FRD BLG GSF BLC GZS WHC RSF BGH

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLB	.005	+- .010 (115 %)	834	+-1831 (120 %)	1.08	.44
FCF	.000	+- .000 (151 %)	15	+-37 (151 %)	.02	.00
MUE	.001	.000-.002 ( 98 %)	148	45-251 ( 69 %)	.19	.08
SBH	.001	.000-.002 ( 84 %)	182	61-303 ( 66 %)	.24	.10
SMB	.122	.096-.148 ( 21 %)	19204	15282-23126 ( 20 %)	24.99	10.11
STB	.061	.030-.092 ( 51 %)	5897	3835-7958 ( 35 %)	7.67	3.11
TGM	.002	.001-.003 ( 42 %)	469	231-708 ( 51 %)	.61	.25
WHB	.011	.002-.020 ( 80 %)	1530	863-2197 ( 44 %)	1.99	.81
YEB	.000	+- .002 (100 %)	106	26-187 ( 76 %)	.14	.06
MSC	.283	.245-.321 ( 13 %)	31801	26993-36608 ( 15 %)	41.38	16.75
TOT	.488	.436-.539 ( 11 %)	60186	52162-68210 ( 13 %)	78.31	31.70

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT (G)
BLB	.001	+- .003 (126 %)	287	+-619 (115 %)	.374	344.7
FCF	.000	+- .000 (146 %)	30	+-79 (162 %)	.039	2061.4
MUE	.000	.000-.001 ( 88 %)	97	32-161 ( 67 %)	.126	652.6
SBH	.002	+- .003 (105 %)	196	59-334 ( 70 %)	.255	1076.8
SMB	.054	.045-.064 ( 18 %)	8921	7041-10801 ( 21 %)	11.608	464.5
STB	.030	.011-.049 ( 63 %)	3407	1887-4927 ( 45 %)	4.433	577.7
TGM	.002	.000-.003 ( 58 %)	291	138-443 ( 52 %)	.378	619.1
WHB	.004	.000-.008 ( 95 %)	662	365-959 ( 45 %)	.861	432.6
YEB	.000	+- .000 (104 %)	41	9-74 ( 79 %)	.054	389.7
MSC	.103	.081-.126 ( 22 %)	11779	9793-13766 ( 17 %)	15.327	370.4
TOT	.198	.167-.228 ( 15 %)	25711	21356-30066 ( 17 %)	33.455	427.2

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT (LB)
BLB	.003	+- .007 (126 %)	634	+-1364 (115 %)	.334	.7599
FCF	.000	+- .000 (146 %)	66	+-174 (162 %)	.035	4.5445
MUE	.002	.000-.003 ( 88 %)	213	70-355 ( 67 %)	.112	1.4387
SBH	.003	+- .007 (105 %)	433	130-736 ( 70 %)	.228	2.3739
SMB	.119	.098-.140 ( 18 %)	19668	15523-23812 ( 21 %)	10.357	1.0241
STB	.066	.024-.108 ( 63 %)	7510	4159-10861 ( 45 %)	3.955	1.2736
TGM	.004	.001-.006 ( 58 %)	641	305-976 ( 52 %)	.337	1.3649
WHB	.009	.000-.018 ( 95 %)	1459	804-2114 ( 45 %)	.768	.9536
YEB	.000	+- .002 (104 %)	91	19-163 ( 79 %)	.048	.8591
MSC	.228	.178-.278 ( 22 %)	25969	21570-30348 ( 17 %)	13.675	.8166
TOT	.436	.368-.503 ( 15 %)	56683	47082-66284 ( 17 %)	29.849	.9418

TABLE HEIDECKE 1997 DAY CREEL FINAL REPORT  
DAYTIME DATA FOR LAKE=HEIDECKE LAKE CREEL BEGUN IN YEAR=97

SECTION 1 FROM 04/01 TO 04/30  
SECTION 1 FROM 05/01 TO 05/31  
SECTION 1 FROM 06/01 TO 06/15  
SECTION 1 FROM 06/16 TO 08/31  
SECTION 1 FROM 09/01 TO 09/30

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.6	4.5 - 4.7 ( 2%)	.5	13.3	1289
SHORE	3.3	3.2 - 3.4 ( 3%)	.5	12.6	998
BOAT & SHORE	4.1	4 - 4.1 ( 2%)	.5	13.3	2287

1374 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
62.4% OF ALL 3665 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	38.3	37.5 - 39 ( 2%)	1	550	3253
SUCCESS RATING 1-10?	3.2	3.1 - 3.3 ( 3%)	1	10	2832

IS CATCH ILLEGAL?

CLERK NOTED 19 OUT OF 3665 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT				PARTY SIZE VS. # INTERVIEWS			
				BOAT		SHORE	
ANY	2202 ( 60.1%)	STB	260 ( 7.1%)	1	301	1	931
WAE	607 ( 16.6%)	LMB	58 ( 1.6%)	2	723	2	1050
CCF	166 ( 4.5%)	CAP	3 ( .1%)	3	232	3	251
TGM	4 ( .1%)	BSS	11 ( .3%)	4	40	4	90
SMB	276 ( 7.5%)	WHB	10 ( .3%)	5	6	5	22
BLG	44 ( 1.2%)	MUE	23 ( .6%)	6	1	6	10
CRP	1 ( 0%)			7		7	2
				8		8	
				9		9	
				10+		10+	6

TABLE HEIDECKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=HEIDECKE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SBH	#ANGLERS	#STB	#ANGLERS	#STB	#ANGLERS	#WHB	#ANGLERS	#WHB	#ANGLERS
0	4503	0	4306	16		0	4458	16	
1	8	1	143	17		1	24	17	
2		2	44	18		2	11	18	
3	2	3	10	19		3	6	19	
4		4	4	20		4	5	20	
5		5	3	21		5	5	21	
6		6	1	22		6	1	22	
7		7		23		7		23	
8		8	1	24		8		24	
9		9		25		9	2	25	
10		10	1	26		10	1	26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SBH	#ANGLERS	#STB	#ANGLERS	#STB	#ANGLERS	#WHB	#ANGLERS	#WHB	#ANGLERS
0	4501	0	4299	16		0	4468	16	
1	8	1	146	17		1	37	17	
2	2	2	34	18		2	2	18	
3	2	3	18	19		3	2	19	
4		4	3	20		4	3	20	
5		5	6	21		5		21	
6		6	4	22		6		22	
7		7	1	23		7		23	
8		8	1	24		8		24	1
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15	1	31+		15		31+	

(TAXA FOR L.FREQS.= SBH STB WHB )

TABLE HEIDECKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=HEIDECKE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SMB	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS
0	4446	0	4498	16		0	4296	16	
1	62	1	15	17		1	96	17	
2	5	2		18		2	67	18	
3		3		19		3	32	19	
4		4		20		4	9	20	
5		5		21		5	7	21	
6		6		22		6	2	22	
7		7		23		7	4	23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SMB	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS
0	3418	0	4338	16		0	4093	16	
1	598	1	147	17		1	184	17	
2	249	2	19	18		2	107	18	
3	98	3	4	19		3	76	19	
4	41	4	4	20		4	20	20	
5	23	5	1	21		5	16	21	
6	20	6		22		6	10	22	
7	11	7		23		7	4	23	
8	13	8		24		8	2	24	
9	2	9		25		9	1	25	
10	9	10		26		10		26	
11	3	11		27		11		27	
12	8	12		28		12		28	
13	4	13		29		13		29	
14	1	14		30		14		30	
15+	15	15		31+		15		31+	

(TAXA FOR L.FREQS.= SMB LMB CCF )



TABLE HEIDECKE LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=HEIDECKE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#WAE	#ANGLERS	#TGM	#ANGLERS	#TGM	#ANGLERS	#MUE	#ANGLERS	#MUE	#ANGLERS
0	4294	0	4513	16		0	4513	16	
1	187	1		17		1		17	
2	27	2		18		2		18	
3	5	3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#WAE	#ANGLERS	#TGM	#ANGLERS	#TGM	#ANGLERS	#MUE	#ANGLERS	#MUE	#ANGLERS
0	4231	0	4449	16		0	4498	16	
1	201	1	63	17		1	15	17	
2	56	2		18		2		18	
3	17	3	1	19		3		19	
4	3	4		20		4		20	
5		5		21		5		21	
6	1	6		22		6		22	
7	2	7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10	2	10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= WAE TGM MUE )

TABLE HEIDECKE LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=HEIDECKE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BGH	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS	#BLC	#ANGLERS	#BLC	#ANGLERS
0	4513	0	4513	16		0	4512	16	
1		1		17		1	1	17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BGH	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS	#BLC	#ANGLERS	#BLC	#ANGLERS
0	4511	0	4513	16		0	4513	16	
1	2	1		17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= BGH WHC BLC )

TABLE HEIDECKE LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=HEIDECKE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#RSF	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS	#GSF	#ANGLERS	#GSF	#ANGLERS
0	4511	0	4375	16		0	4510	16	
1	2	1	40	17		1	3	17	
2		2	21	18		2		18	
3		3	18	19		3		19	
4		4	11	20		4		20	
5		5	20	21		5		21	
6		6	14	22		6		22	
7		7	2	23		7		23	
8		8	3	24		8		24	
9		9	4	25		9		25	
10		10	3	26		10		26	
11		11		27		11		27	
12		12	1	28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15	1	31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#RSF	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS	#GSF	#ANGLERS	#GSF	#ANGLERS
0	4513	0	4271	16		0	4493	16	
1		1	111	17		1	13	17	
2		2	50	18		2	5	18	
3		3	20	19		3	2	19	
4		4	26	20		4		20	
5		5	19	21		5		21	
6		6	6	22		6		22	
7		7	6	23		7		23	
8		8	2	24		8		24	
9		9		25		9		25	
10		10	1	26		10		26	
11		11	1	27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= RSF BLG GSF )

TABLE HEIDECHE LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=HEIDECHE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#FCF	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS	#BLB	#ANGLERS	#BLB	#ANGLERS
0	4511	0	4503	16		0	4487	16	
1	2	1	7	17		1	20	17	
2		2	1	18		2	5	18	
3		3		19		3	1	19	
4		4		20		4		20	
5		5	2	21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#FCF	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS	#BLB	#ANGLERS	#BLB	#ANGLERS
0	4511	0	4501	16		0	4464	16	
1	2	1	10	17		1	43	17	
2		2	2	18		2	2	18	
3		3		19		3	2	19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8	2	24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= FCF YEB BLB )

TABLE HEIDECHE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=HEIDECHE LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#FRD	#ANGLERS	#CAP	#ANGLERS	#CAP	#ANGLERS	#YLB	#ANGLERS	#YLB	#ANGLERS
0	4485	0	4498	16		0	4443	16	
1	25	1	15	17		1	25	17	
2	3	2		18		2	16	18	
3		3		19		3	5	19	
4		4		20		4	7	20	
5		5		21		5	10	21	
6		6		22		6	4	22	
7		7		23		7	2	23	
8		8		24		8		24	
9		9		25		9	1	25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#FRD	#ANGLERS	#CAP	#ANGLERS	#CAP	#ANGLERS	#YLB	#ANGLERS	#YLB	#ANGLERS
0	4258	0	4429	16		0	4492	16	
1	234	1	73	17		1	16	17	
2	11	2	11	18		2	4	18	
3	3	3		19		3		19	
4	2	4		20		4		20	
5	3	5		21		5	1	21	
6		6		22		6		22	
7		7		23		7		23	
8	1	8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+	1	15		31+		15		31+	

(TAXA FOR L.FREQS.= FRD CAP YLB )

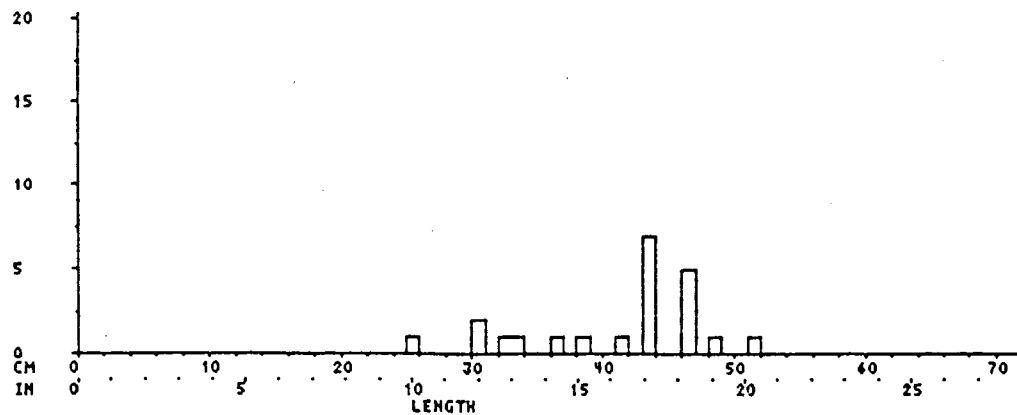


FIGURE 1. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'SBH' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 22 INDIVIDUALS

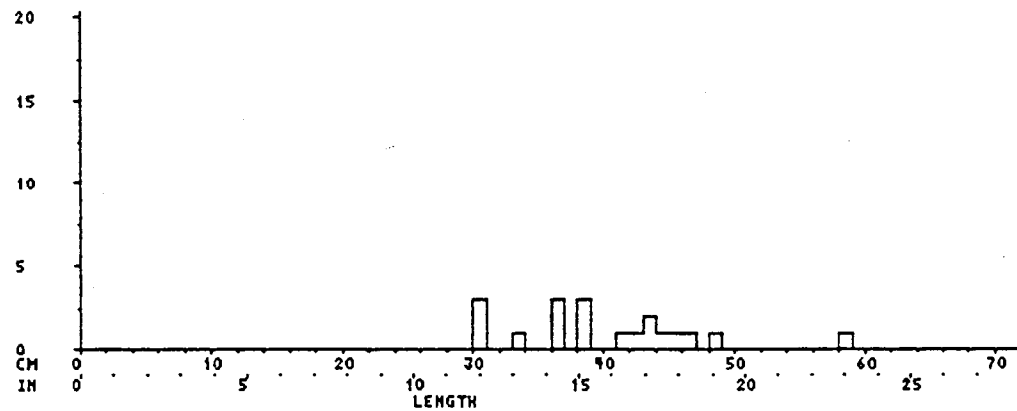


FIGURE 2. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'SBH' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 19 INDIVIDUALS

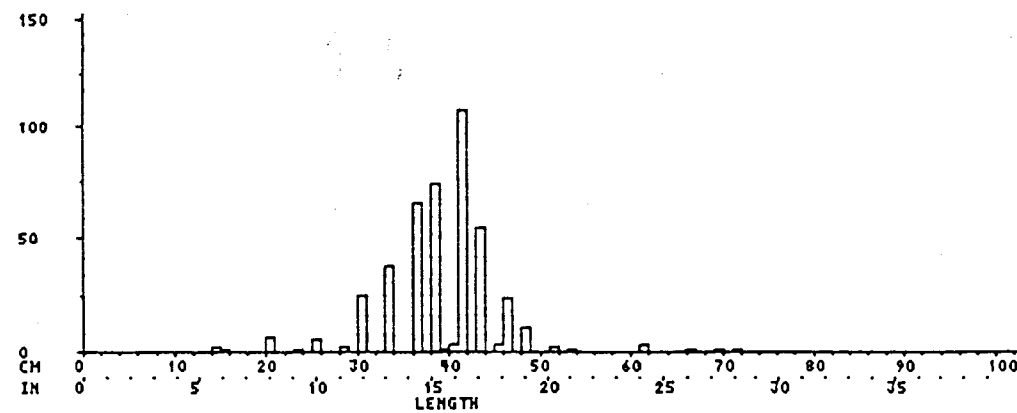


FIGURE 3. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'STB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 431 INDIVIDUALS

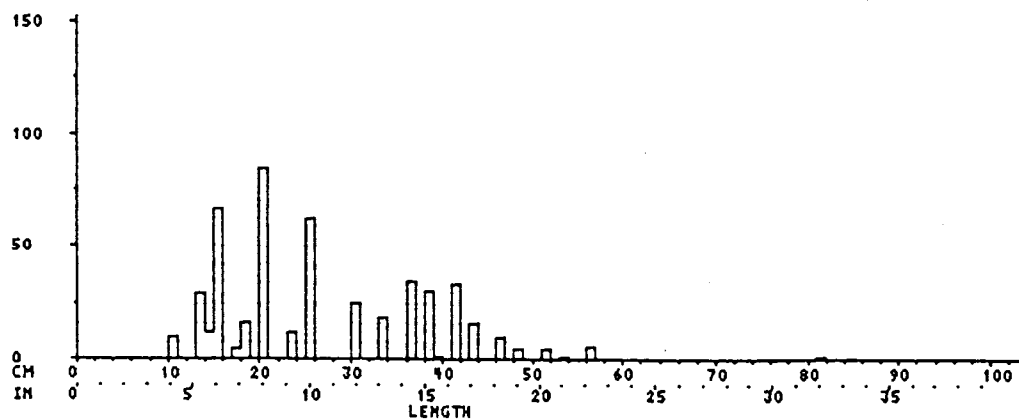


FIGURE 4. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'STB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 478 INDIVIDUALS

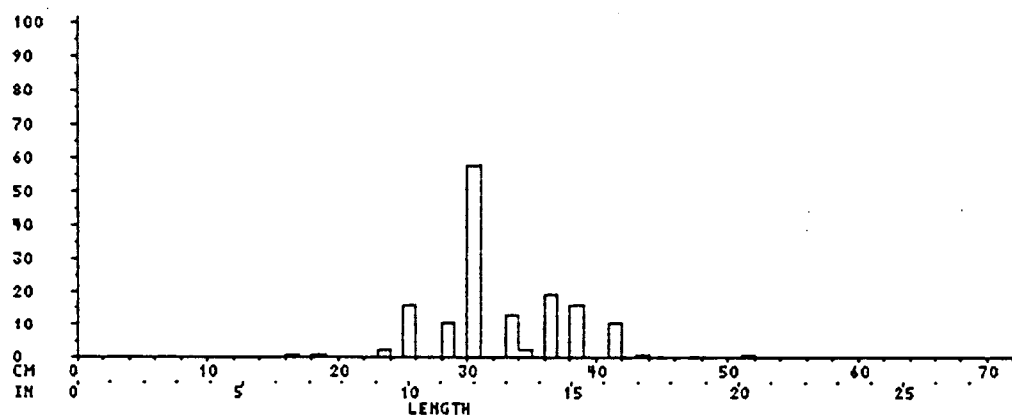


FIGURE 5. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'WHB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 152 INDIVIDUALS

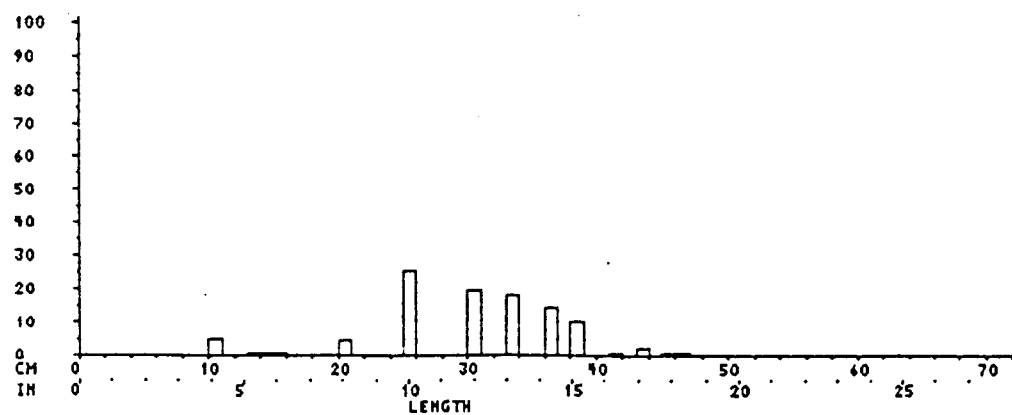


FIGURE 6. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'WHB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 103 INDIVIDUALS

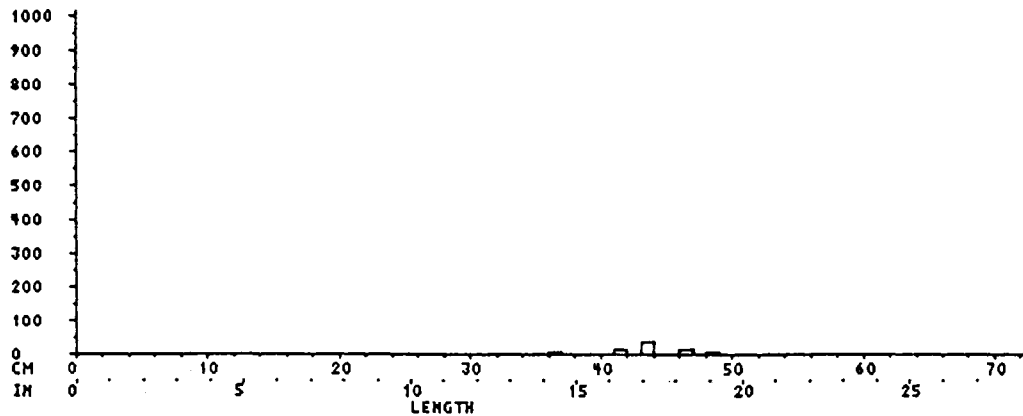


FIGURE 7. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'SMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 80 INDIVIDUALS

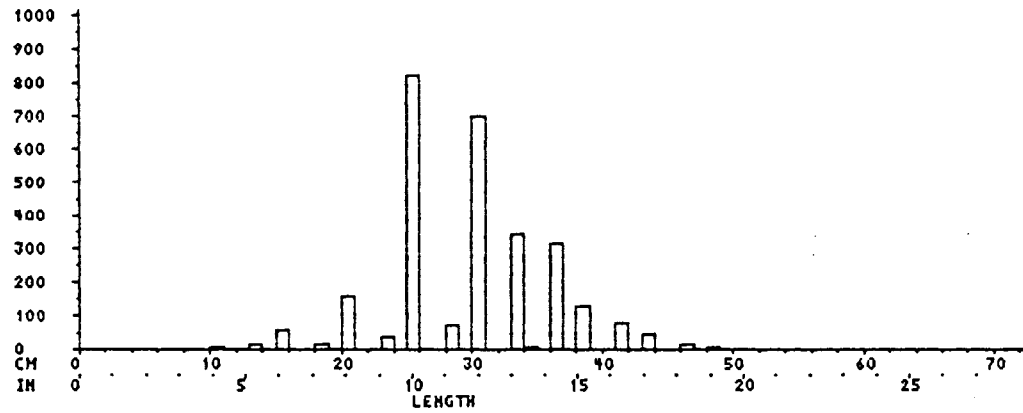


FIGURE 8. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'SMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 2836 INDIVIDUALS

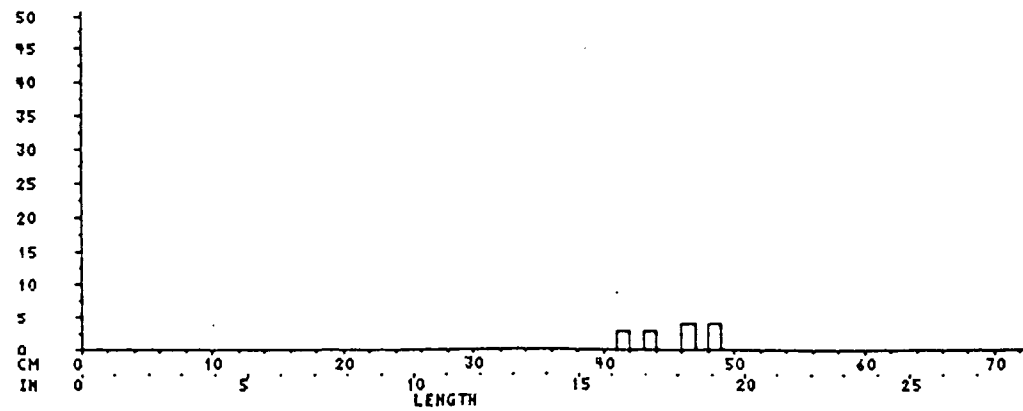


FIGURE 9. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 14 INDIVIDUALS



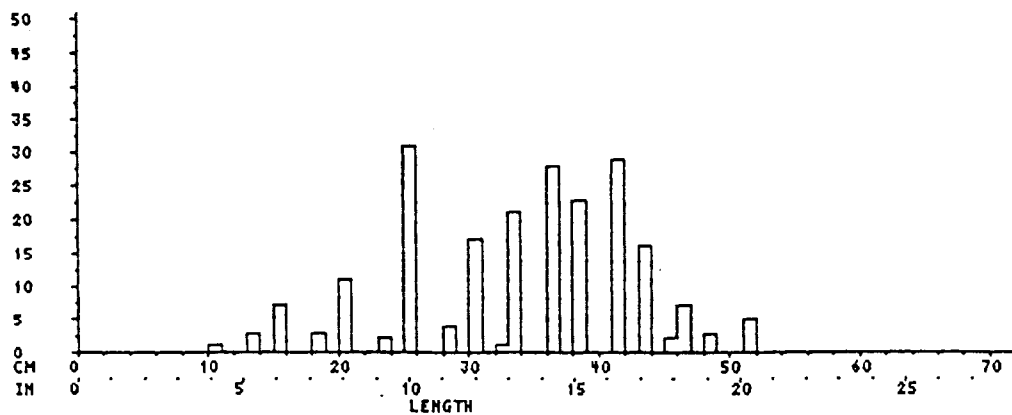


FIGURE 10. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 214 INDIVIDUALS

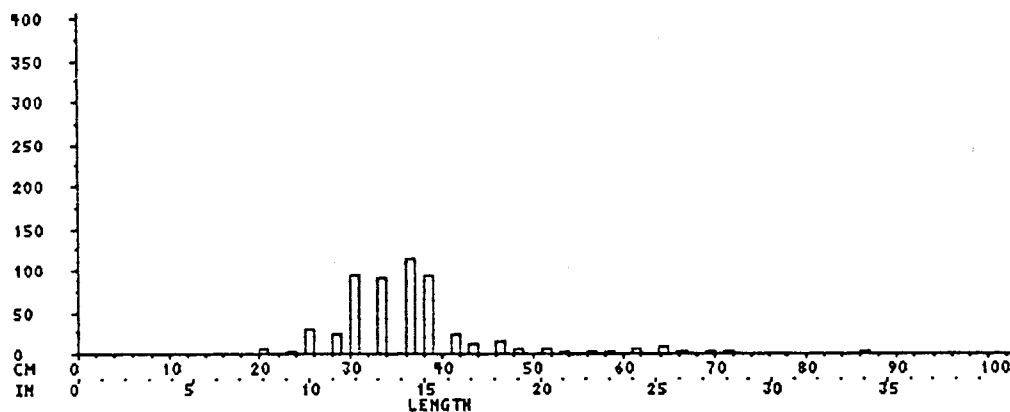


FIGURE 11. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 554 INDIVIDUALS

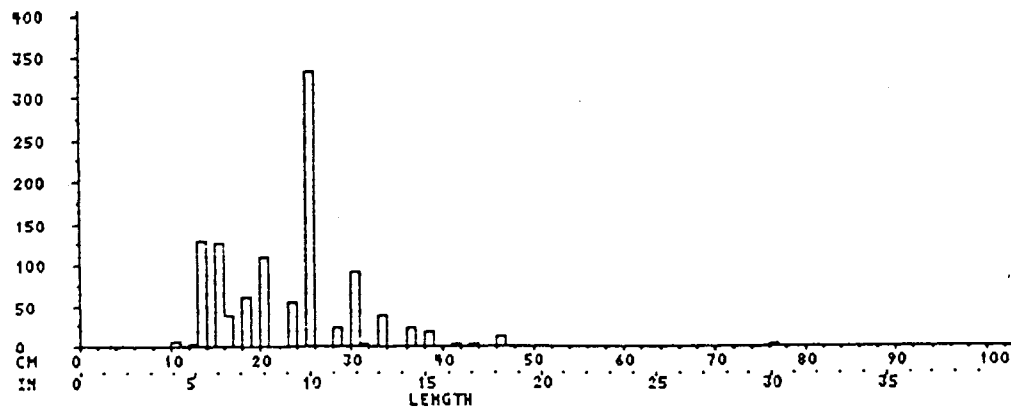


FIGURE 12. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1080 INDIVIDUALS

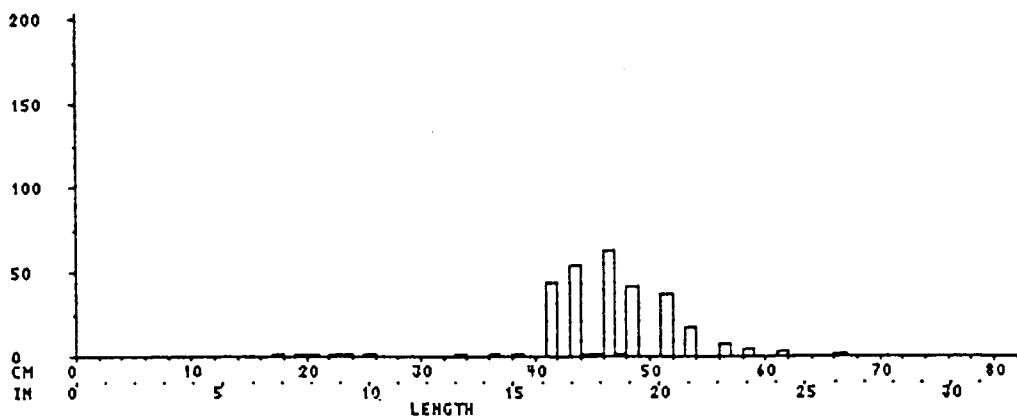


FIGURE 13. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'WAE' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 286 INDIVIDUALS

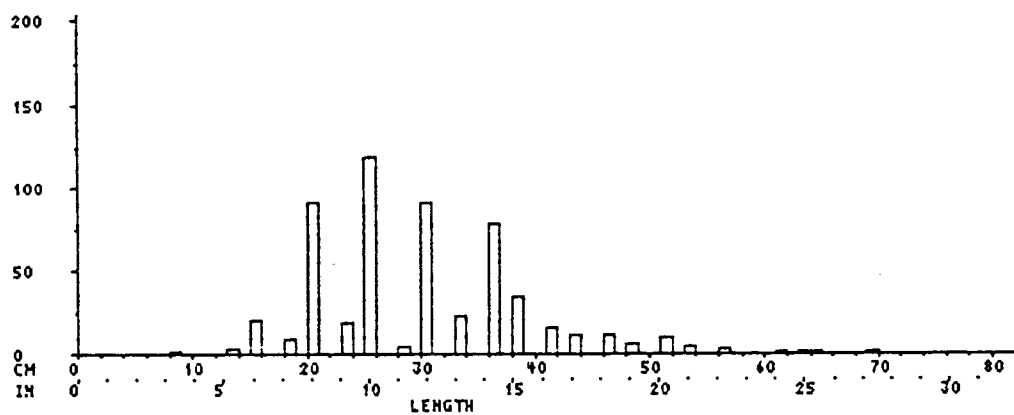


FIGURE 14. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'WAE' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 560 INDIVIDUALS

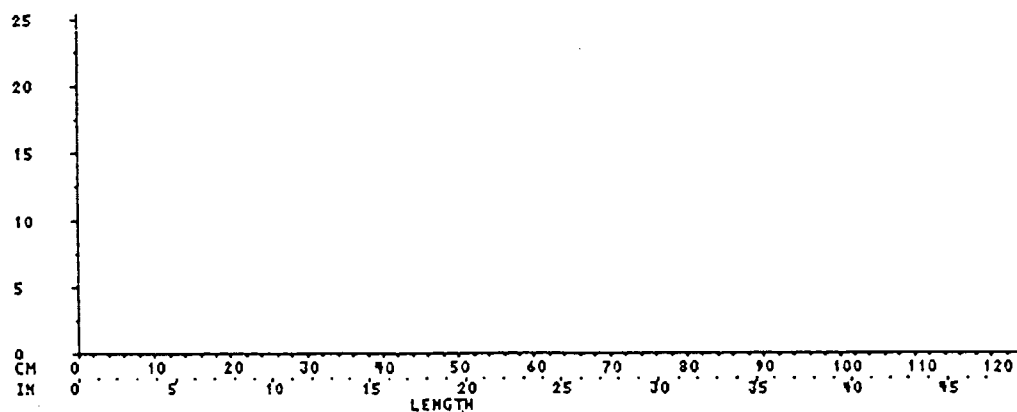


FIGURE 15. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'TGM' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

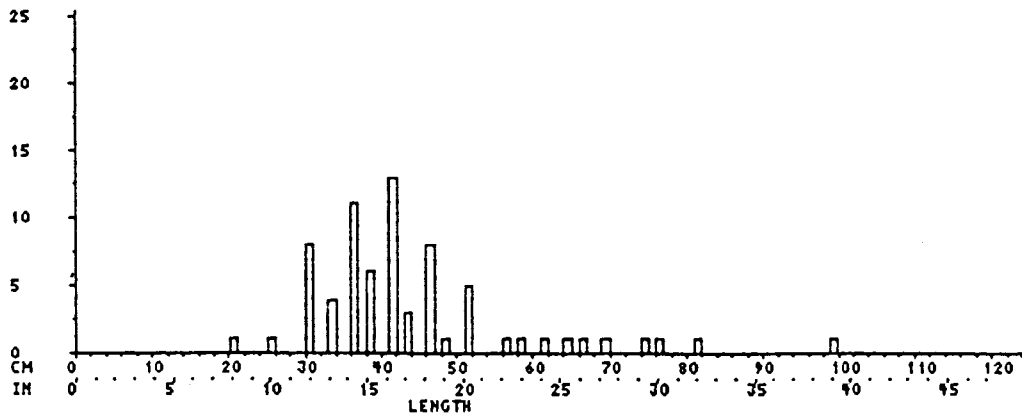


FIGURE 16. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'TGM' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 71 INDIVIDUALS

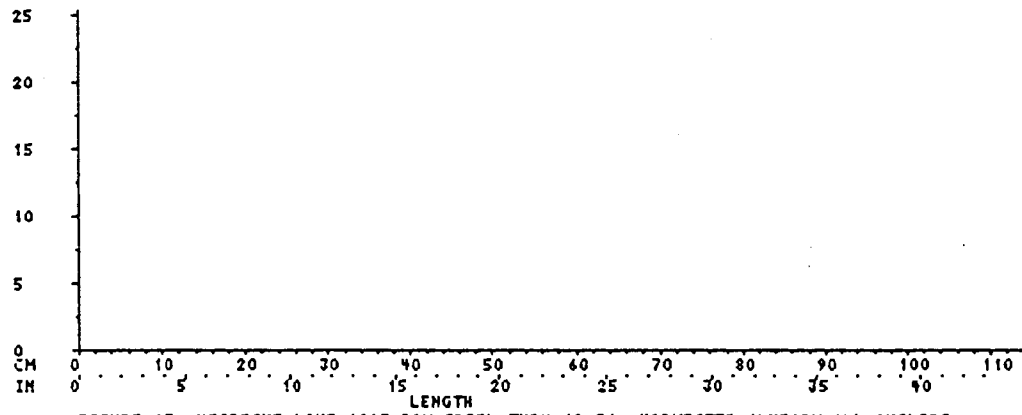


FIGURE 17. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'MUE' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

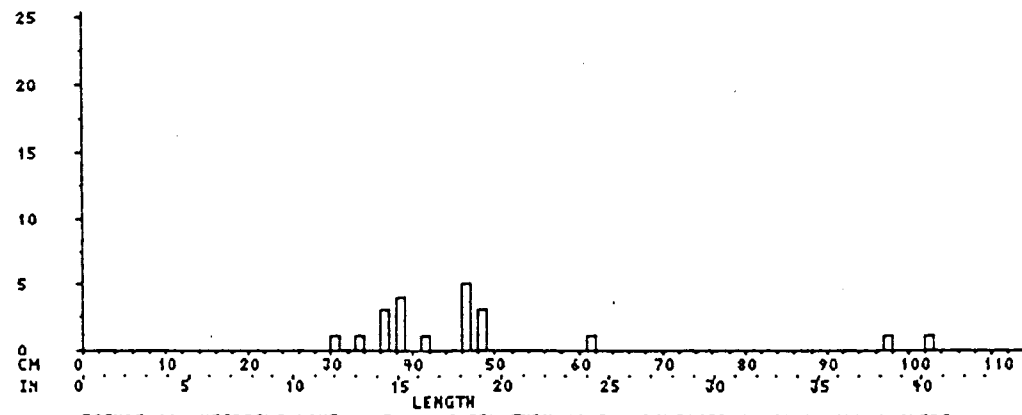


FIGURE 18. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'MUE' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 21 INDIVIDUALS

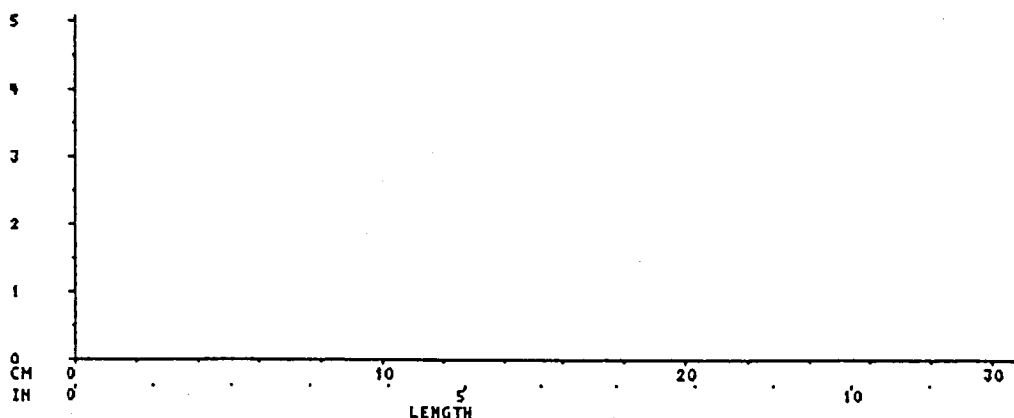


FIGURE 19. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BGH' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

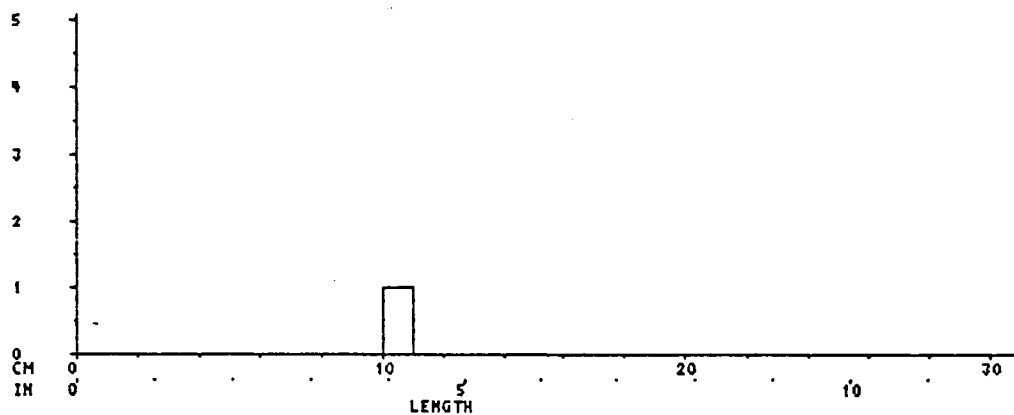


FIGURE 20. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BGH' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1 INDIVIDUALS

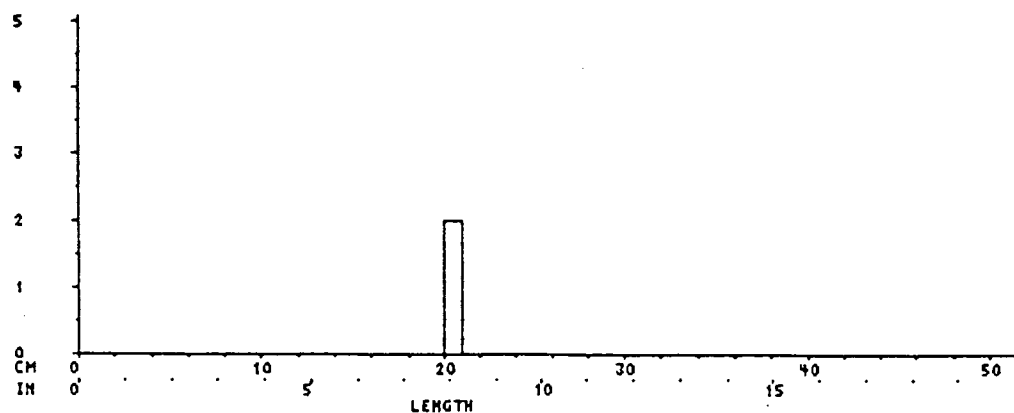


FIGURE 21. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 2 INDIVIDUALS

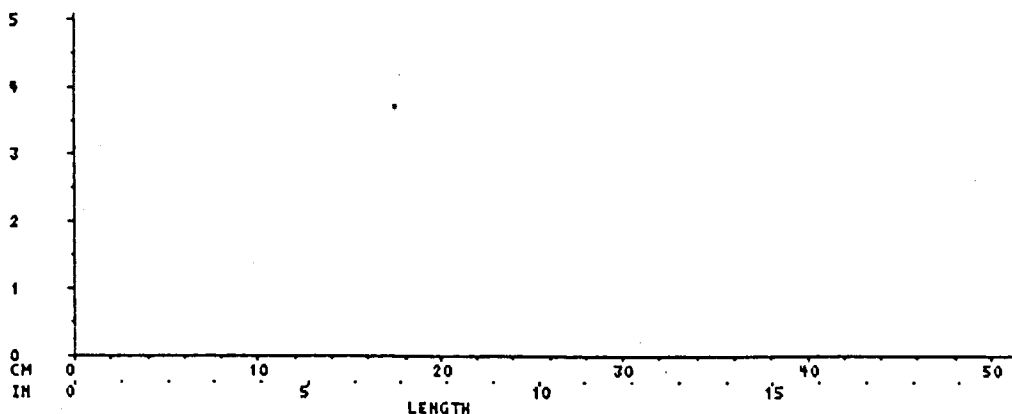


FIGURE 22. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

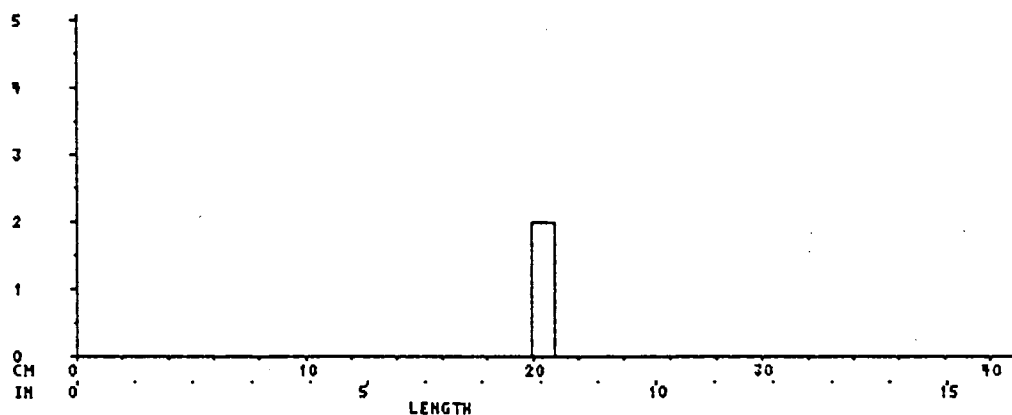


FIGURE 23. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'RSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 2 INDIVIDUALS

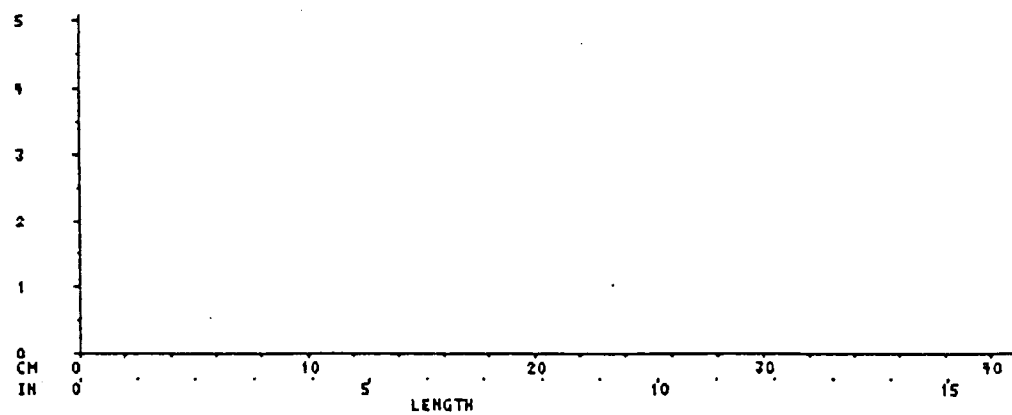


FIGURE 24. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'RSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

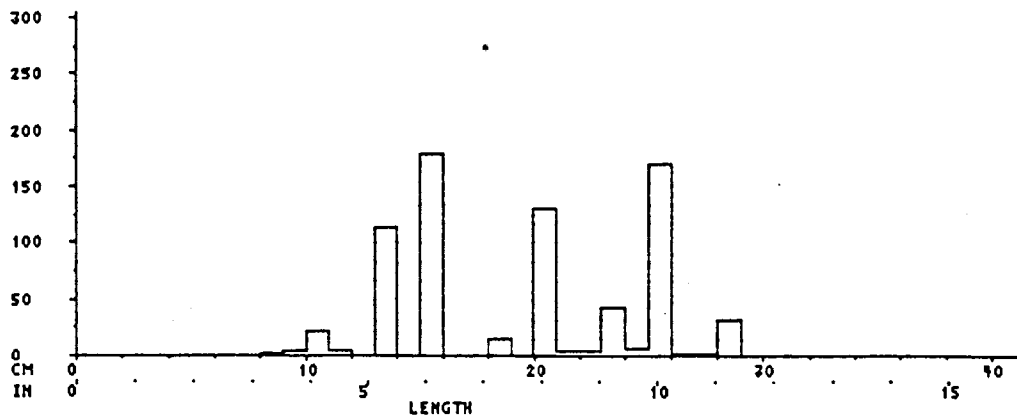


FIGURE 25. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLG' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 739 INDIVIDUALS

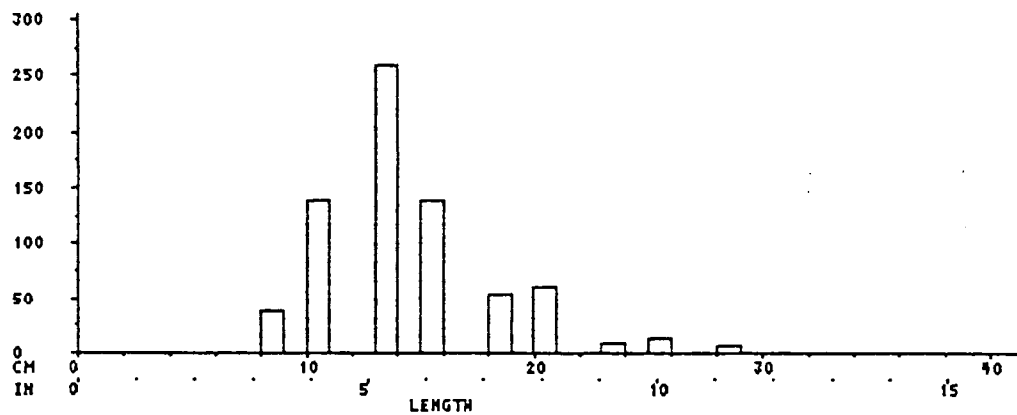


FIGURE 26. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLG' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 717 INDIVIDUALS

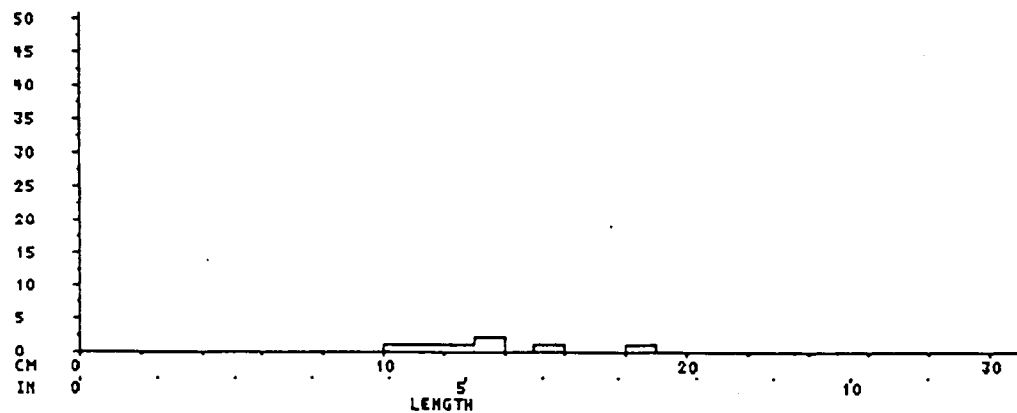


FIGURE 27. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'GSF' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 7 INDIVIDUALS

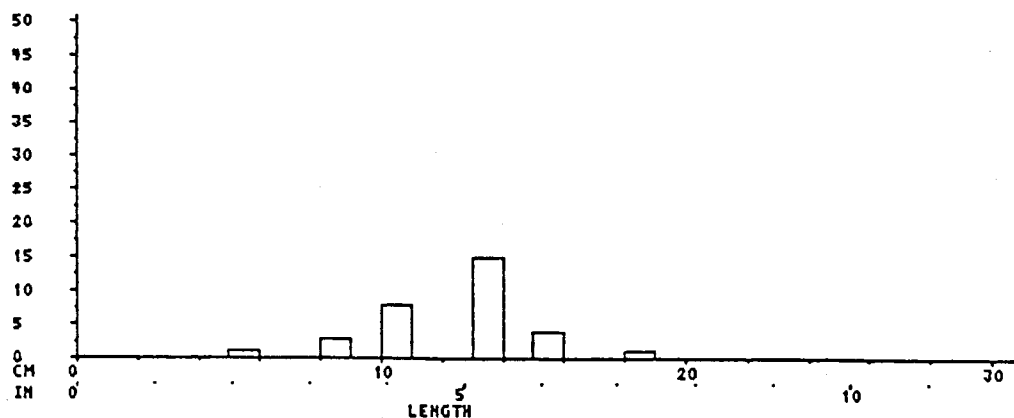


FIGURE 28. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'GSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 32 INDIVIDUALS

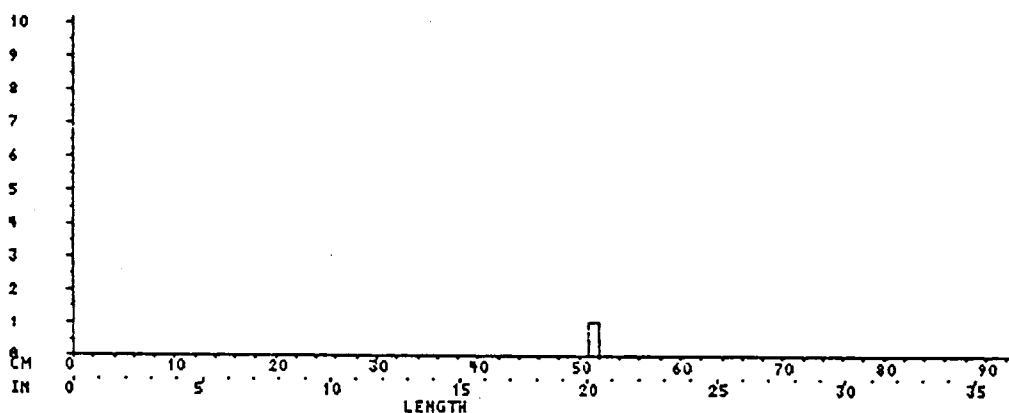


FIGURE 29. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'FCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1 INDIVIDUALS

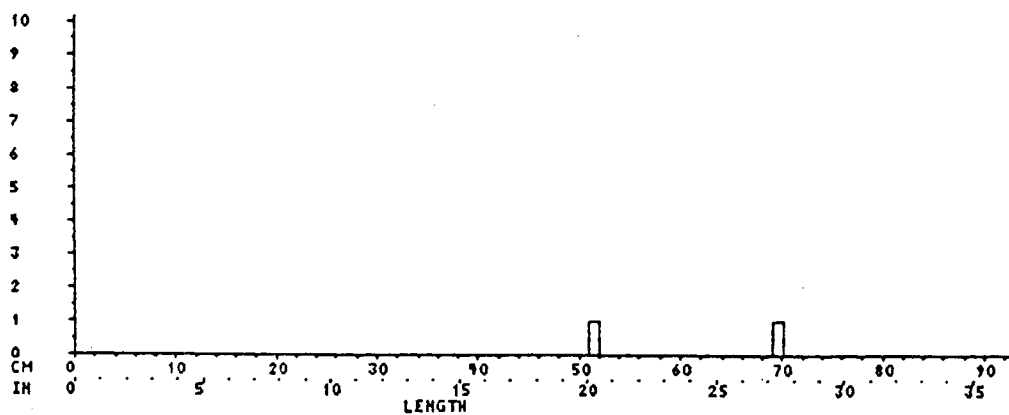


FIGURE 30. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'FCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 2 INDIVIDUALS

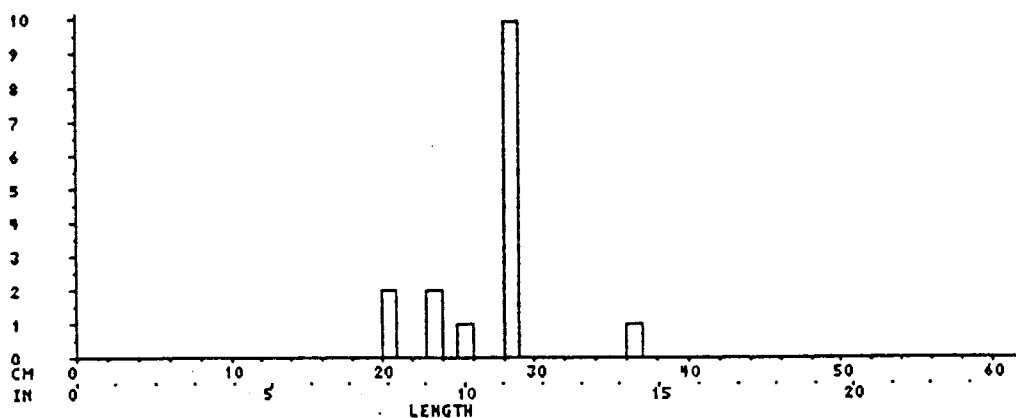


FIGURE 31. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'YEB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 16 INDIVIDUALS

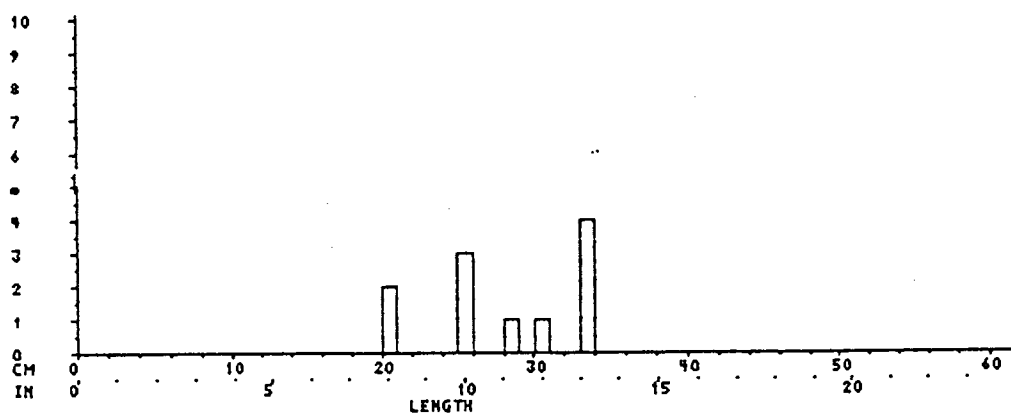


FIGURE 32. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'YEB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 11 INDIVIDUALS

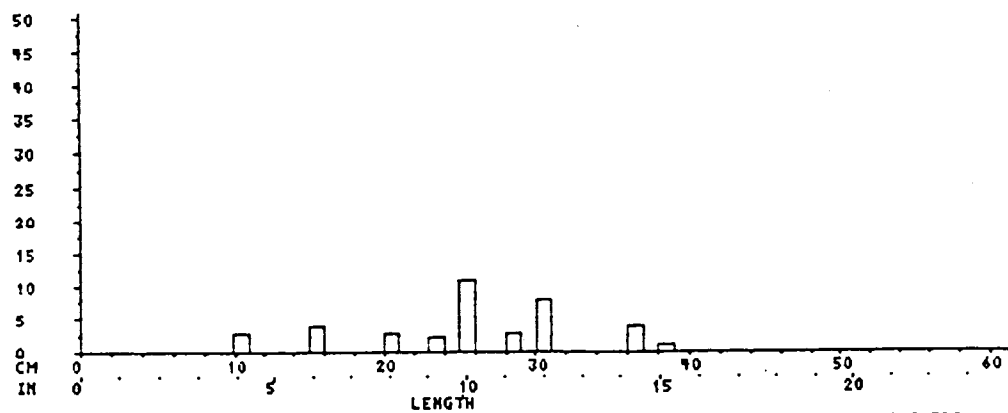


FIGURE 33. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 39 INDIVIDUALS



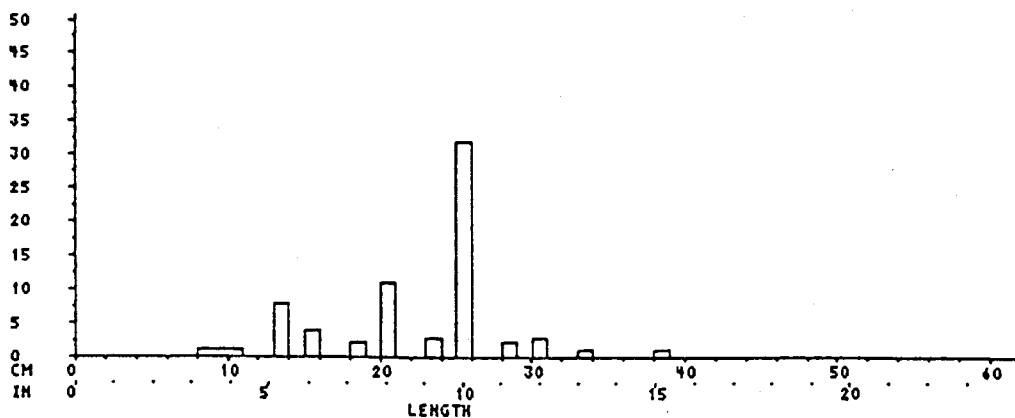


FIGURE 34. HEDIECKE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 70 INDIVIDUALS

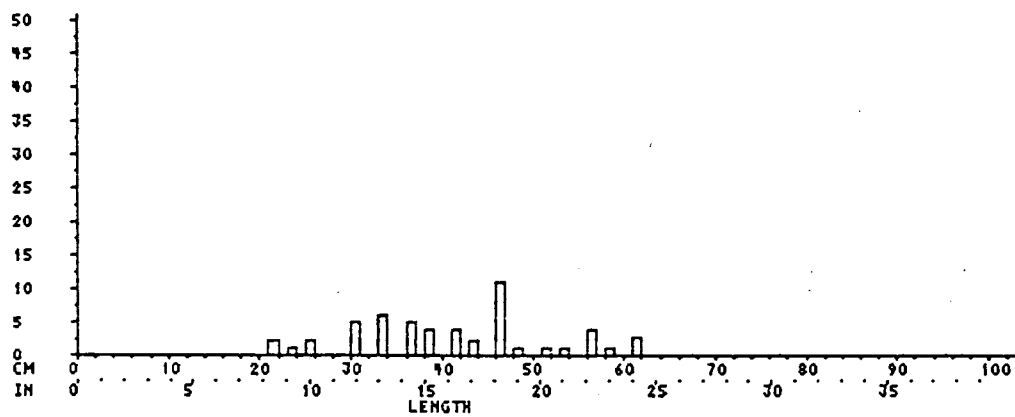


FIGURE 35. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'FRD' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 53 INDIVIDUALS

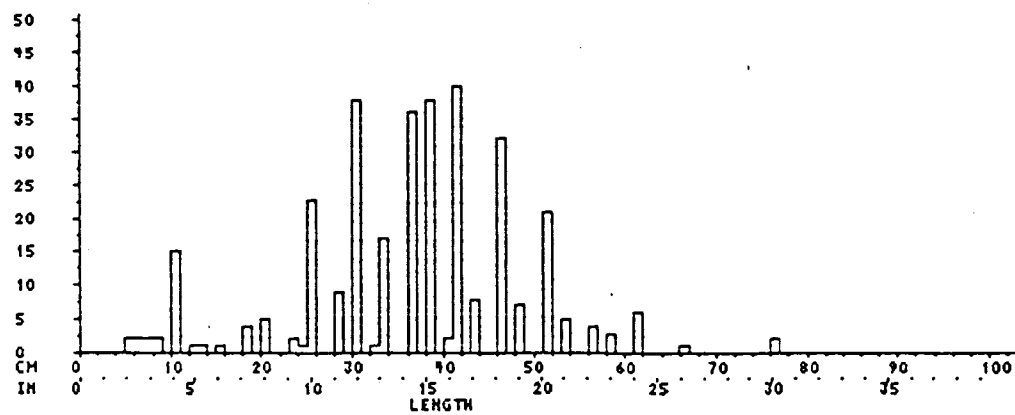


FIGURE 36. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'FRD' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 331 INDIVIDUALS

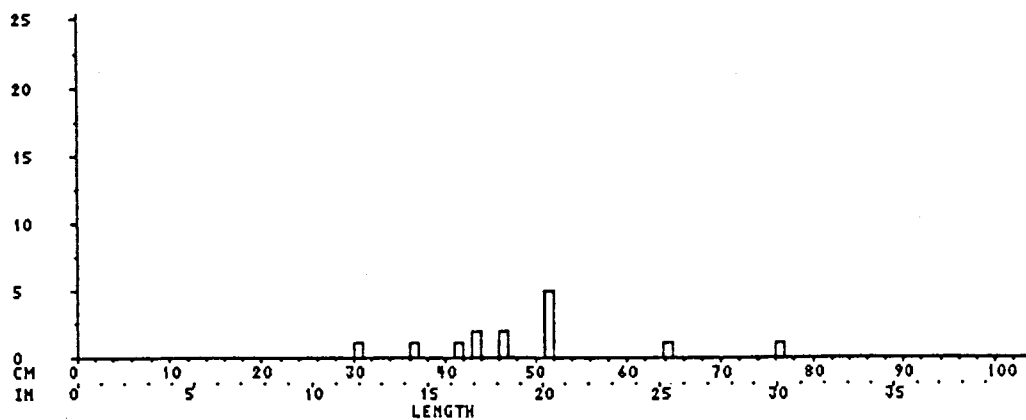


FIGURE 37. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'CAP' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 14 INDIVIDUALS

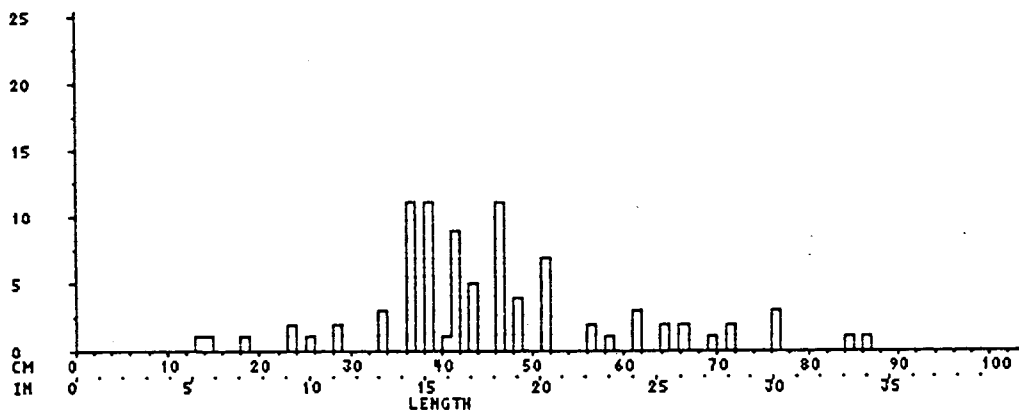


FIGURE 38. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'CAP' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 89 INDIVIDUALS

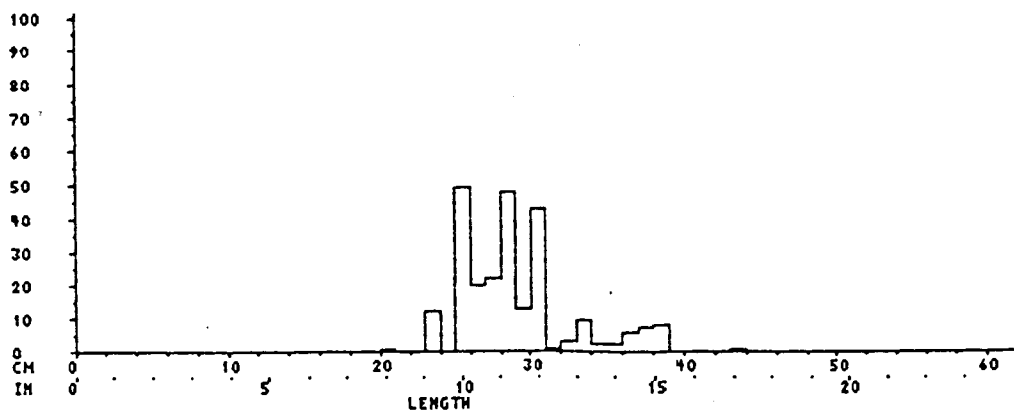


FIGURE 39. HEIDECKE LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'YLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 297 INDIVIDUALS

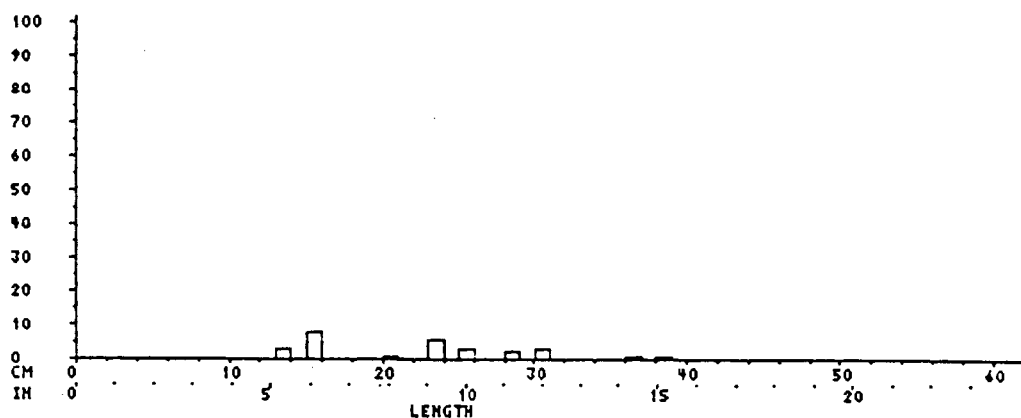


FIGURE 40. HEIDECHE LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'YLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 28 INDIVIDUALS

EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=5 LAKE :=JONES LAKE  
 DISTRICT :=20 YEAR :=97  
 ACREAGE :96 SAMPLING RATIO :=306/693 = 44.1%  
 NUMBER OF INTERVIEWS:1653

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

	ANGL HRS	95% CONF INTVL	HRS/ ACRE	95% CONF INTVL	% EFF INTVD
BOAT FISHING:					
WEEKDAY	5239	4620-5858 ( 12%)	55	48-61 ( 12%)	24.67
WKND/HOL	4246	3666-4826 ( 14%)	44	38-50 ( 14%)	48.02
STR TOTAL	9485	8645-10325 ( 9%)	99	90-108 ( 9%)	35.12
SHORE FISHING:					
WEEKDAY	6237	5569-6905 ( 11%)	65	58-72 ( 11%)	22.50
WKND/HOL	5355	4582-6128 ( 14%)	56	48-64 ( 14%)	46.97
STR TOTAL	11592	10584-12600 ( 9%)	121	110-131 ( 9%)	33.80
BOAT/SHORE COALESCED:					
WEEKDAY	10962	9951-11973 ( 9%)	114	104-125 ( 9%)	24.59
WKND/HOL	9304	8242-10366 ( 11%)	97	86-108 ( 11%)	48.95
STR TOTAL	20266	18812-21720 ( 7%)	211	196-226 ( 7%)	35.77
BOAT/SHORE STRATIFIED:					
WEEKDAY	11478	10579-12377 ( 8%)	120	110-129 ( 8%)	23.49
WKND/HOL	9602	8651-10553 ( 10%)	100	90-110 ( 10%)	47.43
STR TOTAL	21080	19730-22380 ( 6%)	220	206-233 ( 6%)	34.39

HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :=5 LAKE :=JONES LAKE  
 DISTRICT :=20 YEAR :=97  
 ACREAGE :96 SAMPLING RATIO :=612/1386 = 44.1%  
 RATIO OF EFFORT HOURS INTERVIEWED := 7249.7/21082.4 = 34.38%  
 NUMBER OF INTERVIEWS: 1653

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:

YEB GZS

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.080	.050-.109 ( 37 %)	1205	762-1648 ( 37 %)	31.01	12.55
BLG	.477	.390-.565 ( 18 %)	10296	8745-11846 ( 15 %)	265.00	107.25
CCF	.176	.148-.204 ( 16 %)	3915	3294-4537 ( 16 %)	100.78	40.79
GSF	.028	.019-.038 ( 34 %)	655	489-822 ( 25 %)	16.87	6.83
LMB	.137	.110-.163 ( 19 %)	2658	2202-3114 ( 17 %)	68.42	27.69
RSF	.045	.026-.065 ( 43 %)	1058	743-1374 ( 30 %)	27.23	11.02
MSC	.000	+- .002 (106 %)	17	2-31 ( 90 %)	.43	.17
TOT	.944	.827-1.060 ( 12 %)	19804	17665-21943 ( 11 %)	509.73	206.29

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.024	.012-.036 ( 49 %)	366	211-521 ( 42 %)	9.416	303.6
BLG	.044	.035-.053 ( 21 %)	936	779-1094 ( 17 %)	24.098	90.9
CCF	.134	.114-.154 ( 15 %)	3087	2594-3580 ( 16 %)	79.460	788.5
GSF	.003	.002-.004 ( 34 %)	64	48-81 ( 25 %)	1.655	98.1
LMB	.061	.050-.072 ( 18 %)	1187	991-1384 ( 17 %)	30.564	446.7
RSF	.010	.006-.014 ( 42 %)	239	167-311 ( 30 %)	6.155	226.0
MSC	.000	+- .001 (112 %)	13	-25 ( 94 %)	.334	783.9
TOT	.277	.248-.307 ( 11 %)	5893	5255-6531 ( 11 %)	151.683	297.6

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.053	.027-.079 ( 49 %)	807	463-1148 ( 42 %)	8.401	.6694
BLG	.098	.077-.118 ( 21 %)	2064	1717-2411 ( 17 %)	21.501	.2005
CCF	.295	.251-.340 ( 15 %)	6806	5719-7893 ( 16 %)	70.895	1.7383
GSF	.006	.004-.008 ( 34 %)	142	106-178 ( 25 %)	1.477	.2163
LMB	.135	.110-.160 ( 18 %)	2618	2184-3052 ( 17 %)	27.269	.9849
RSF	.022	.013-.031 ( 42 %)	527	369-685 ( 30 %)	5.491	.4982
MSC	.002	+- .003 (112 %)	29	2-56 ( 94 %)	.298	1.7281
TOT	.611	.546-.676 ( 11 %)	12992	11585-14399 ( 11 %)	135.332	.6560

CAUGHT AND CPUE TABLE                    \*\*\* DAY \*\*\*  
 REGION        :5                    LAKE :JONES LAKE  
 DISTRICT    :20                    YEAR :97  
 ACREAGE     :96                    SAMPLING RATIO :=612/1386 = 44.1%  
 RATIO OF EFFORT HOURS INTERVIEWED := 7249.7/21082.4 = 34.38%  
 NUMBER OF INTERVIEWS: 1653

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:  
 YEB GZS  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLC	.085	.055-.115 ( 36 %)	1277	823-1731 ( 36 %)	32.86	13.30
BLG	.885	.748-1.021 ( 15 %)	20626	17427-23824 ( 16 %)	530.89	214.85
CCF	.261	.217-.304 ( 17 %)	5648	4710-6587 ( 17 %)	145.38	58.84
GSF	.114	.089-.139 ( 22 %)	2213	1765-2665 ( 20 %)	57.01	23.07
LMB	.640	.554-.726 ( 13 %)	11157	9769-12544 ( 12 %)	297.16	116.21
RSF	.046	.026-.065 ( 42 %)	1085	768-1402 ( 29 %)	27.93	11.31
MSC	.000	.000-.002 ( 98 %)	20	5-36 ( 77 %)	.52	.21
TOT	2.031	1.630-2.232 ( 10 %)	42028	37533-46522 ( 11 %)	1081.76	437.78

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLC	.025	.013-.036 ( 48 %)	372	216-527 ( 42 %)	9.564	291.0
BLG	.052	.043-.062 ( 18 %)	1119	949-1289 ( 15 %)	28.808	54.3
CCF	.142	.122-.163 ( 15 %)	3264	2756-3771 ( 16 %)	84.000	577.8
GSF	.007	.005-.009 ( 29 %)	147	90-205 ( 39 %)	3.792	66.5
LMB	.135	.160-.211 ( 14 %)	3423	2932-3915 ( 14 %)	89.118	306.9
RSF	.010	.006-.014 ( 42 %)	241	169-313 ( 30 %)	6.208	222.3
MSC	.000	+--.002 (111 %)	13	1-23 ( 92 %)	.341	654.1
TOT	.423	.386-.459 ( 9 %)	8580	7787-9373 ( 9 %)	220.833	204.1

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BLC	.054	.026-.080 ( 48 %)	819	477-1162 ( 42 %)	8.533	.6416
BLG	.115	.095-.136 ( 18 %)	2467	2093-2842 ( 15 %)	25.703	.1196
CCF	.314	.268-.360 ( 15 %)	7195	6076-8314 ( 16 %)	74.945	1.2738
GSF	.016	.011-.020 ( 29 %)	325	198-451 ( 39 %)	3.384	.1467
LMB	.409	.353-.466 ( 14 %)	7547	6464-8631 ( 14 %)	78.619	.6765
RSF	.022	.013-.032 ( 42 %)	532	373-690 ( 30 %)	5.539	.4900
MSC	.002	+--.003 (111 %)	29	2-56 ( 92 %)	.305	1.4420
TOT	.932	.852-1.013 ( 9 %)	18915	17166-20663 ( 9 %)	197.027	.4501

TABLE JONES LAKE 1997 DAY CREEL FINAL REPORT  
 DAYTIME DATA FOR LAKE=JONES LAKE CREEL BEGUN IN YEAR=97

SECTION 1 FROM 03/15 TO 04/08  
 SECTION 1 FROM 04/09 TO 04/30  
 SECTION 1 FROM 05/01 TO 05/31  
 SECTION 1 FROM 06/01 TO 06/15  
 SECTION 1 FROM 06/16 TO 08/31  
 SECTION 1 FROM 09/01 TO 09/30  
 SECTION 1 FROM 10/01 TO 10/31

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HOURS PER COMPLETED TRIP:

	MEAN	95% CONF.INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.5	4.3 - 4.7 ( 5%)	.5	13	428
SHORE	2.5	2.4 - 2.7 ( 6%)	.2	13.4	594
BOAT & SHORE	3.3	3.2 - 3.5 ( 4%)	.2	13.4	1022

371 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
 75.4% OF ALL 1355 INTERVIEWS WERE COMPLETED TRIPS

---

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF.INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	17.1	15.6 - 18.5 ( 8%)	1	350	1284
SUCCESS RATING 1-10?	6	5.8 - 6.2 ( 3%)	1	10	1277

IS CATCH ILLEGAL?

CLERK NOTED 26 OUT OF 1355 INTERVIEWS HAD ILLEGAL CATCHES

---

# INTERVIEWS (AND %) PER SPECIES SOUGHT				PARTY SIZE VS. # INTERVIEWS			
				BOAT	SHORE		
ANY	619 ( 45.7%)	BLC	25 ( 1.8%)	1	218	1	352
LMB	503 ( 37.1%)	CAT	200 ( 14.8%)	2	289	2	274
CRP	3 ( .2%)	BLG	2 ( .1%)	3	26	3	86
RSF	1 ( .1%)	CCF	2 ( .1%)	4	6	4	42
				5	3	5	34
				6	2	6	10
				7		7	8
				8		8	3
				9		9	
				10+		10+	2

TABLE JONES LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=JONES LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CCF	#ANGLERS	#BLC	#ANGLERS	#BLC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS
0	1402	0	1696	16		0	1209	16	1
1	161	1	59	17		1	160	17	8
2	60	2	19	18		2	90	18	8
3	48	3	19	19		3	78	19	5
4	29	4	4	20		4	41	20	9
5	31	5	4	21		5	30	21	3
6	73	6	5	22	1	6	27	22	5
7	12	7	1	23		7	10	23	2
8		8	2	24		8	15	24	5
9	1	9	1	25	1	9	16	25	2
10	1	10	4	26		10	12	26	1
11		11	1	27		11	10	27	3
12	2	12		28	1	12	15	28	
13		13		29		13	12	29	1
14		14		30		14	12	30	4
15+		15	1	31+	1	15	11	31+	15

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CCF	#ANGLERS	#BLC	#ANGLERS	#BLC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS
0	1616	0	1791	16		0	1286	16	
1	80	1	29	17		1	158	17	1
2	36	2		18		2	76	18	2
3	27	3		19		3	39	19	1
4	24	4		20		4	45	20	5
5	4	5		21		5	22	21	1
6	5	6		22		6	33	22	1
7		7		23		7	6	23	
8	8	8		24		8	27	24	
9	3	9		25		9	14	25	18
10	6	10		26		10	9	26	1
11		11		27		11	6	27	3
12	1	12		28		12	21	28	3
13	2	13		29		13	7	29	1
14	2	14		30		14		30	
15+	6	15		31+		15	4	31+	30

(TAXA FOR L.FREQS.= CCF BLC BLG )



TABLE JONES LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=JONES LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#GSF	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS	#RSF	#ANGLERS	#RSF	#ANGLERS
0	1660	0	1440	16		0	1655	16	3
1	111	1	182	17		1	83	17	4
2	28	2	73	18		2	24	18	
3	8	3	35	19		3	14	19	
4	7	4	25	20		4	16	20	
5	1	5	13	21		5	3	21	
6		6	48	22		6		22	
7	2	7	3	23		7	8	23	
8	2	8		24		8		24	
9		9		25		9	3	25	
10		10		26		10	2	26	
11		11		27		11	1	27	
12		12	1	28		12	1	28	
13	1	13		29		13	1	29	
14		14		30		14	1	30	
15+		15		31+		15	1	31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#GSF	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS	#RSF	#ANGLERS	#RSF	#ANGLERS
0	1564	0	1070	16	8	0	1800	16	
1	145	1	314	17	5	1	17	17	
2	49	2	118	18	3	2	3	18	
3	23	3	75	19	4	3		19	
4	10	4	32	20	2	4		20	
5	16	5	21	21	3	5		21	
6	7	6	47	22	1	6		22	
7		7	24	23	1	7		23	
8		8	27	24	2	8		24	
9		9	16	25		9		25	
10	1	10	6	26		10		26	
11		11	8	27		11		27	
12	1	12	14	28		12		28	
13		13	8	29	1	13		29	
14		14	3	30	2	14		30	
15+	4	15	4	31+	1	15		31+	

(TAXA FOR L.FREQS.= GSF LMB RSF )

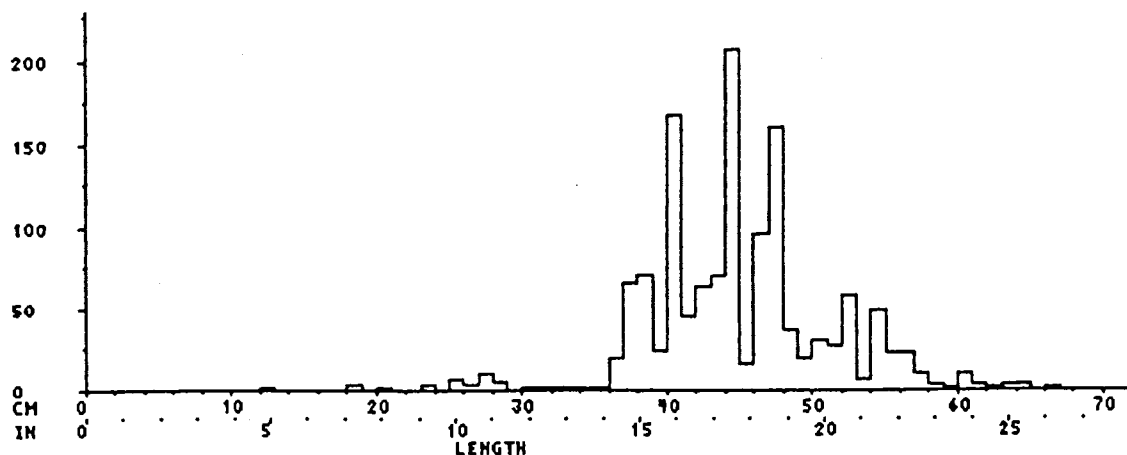


FIGURE 1. JONES LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1344 INDIVIDUALS

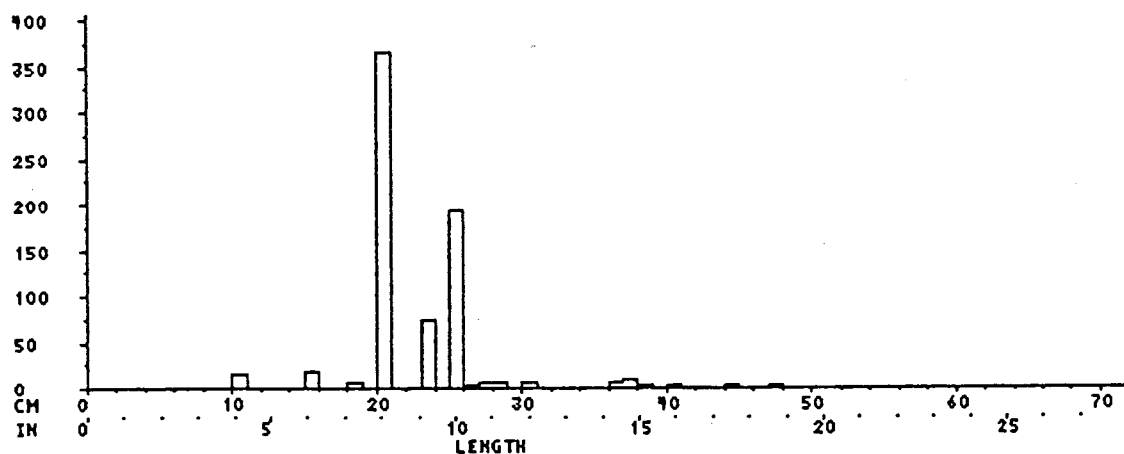


FIGURE 2. JONES LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 719 INDIVIDUALS

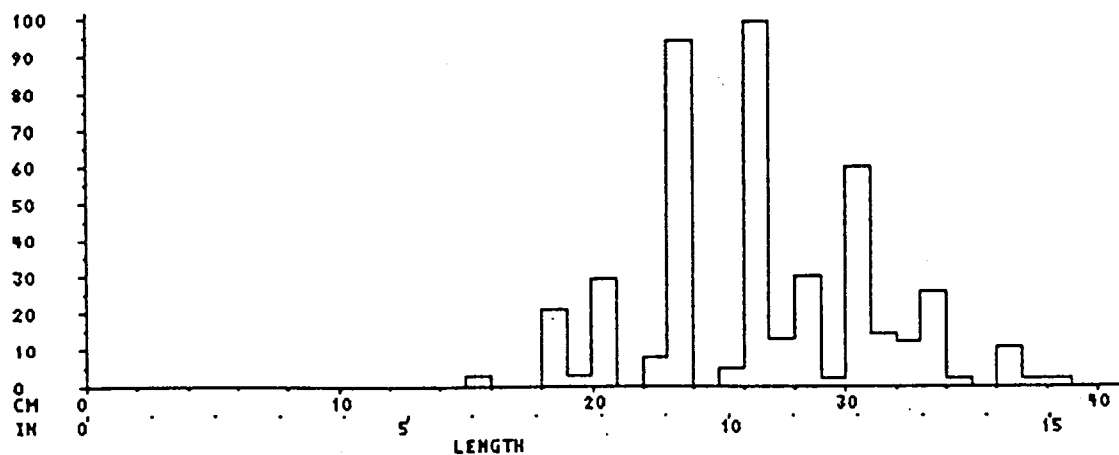


FIGURE 3. JONES LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 436 INDIVIDUALS

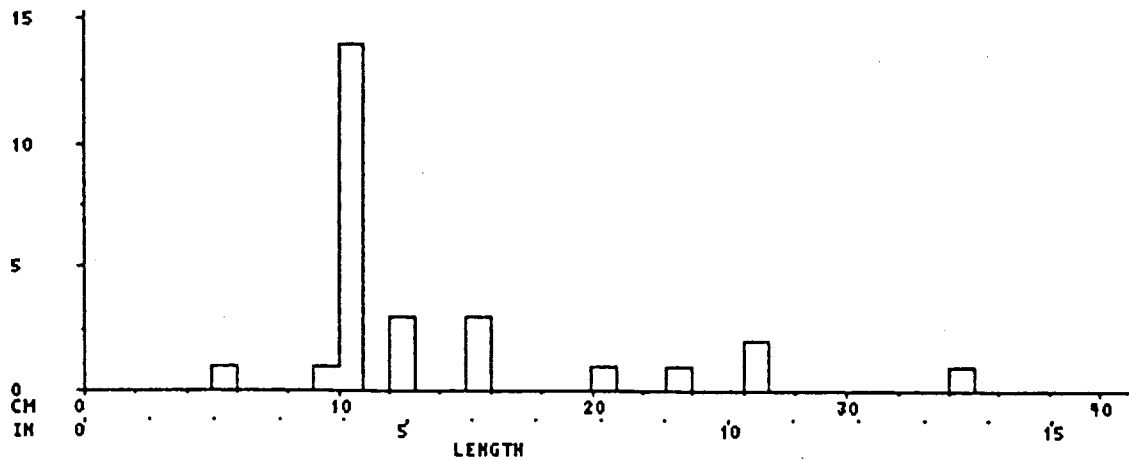


FIGURE 4. JONES LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 27 INDIVIDUALS

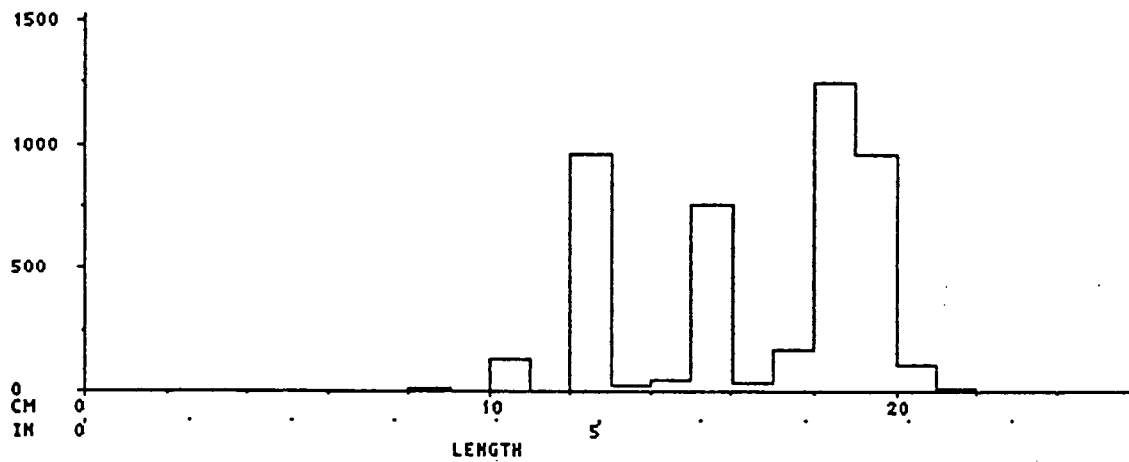


FIGURE 5. JONES LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 4456 INDIVIDUALS

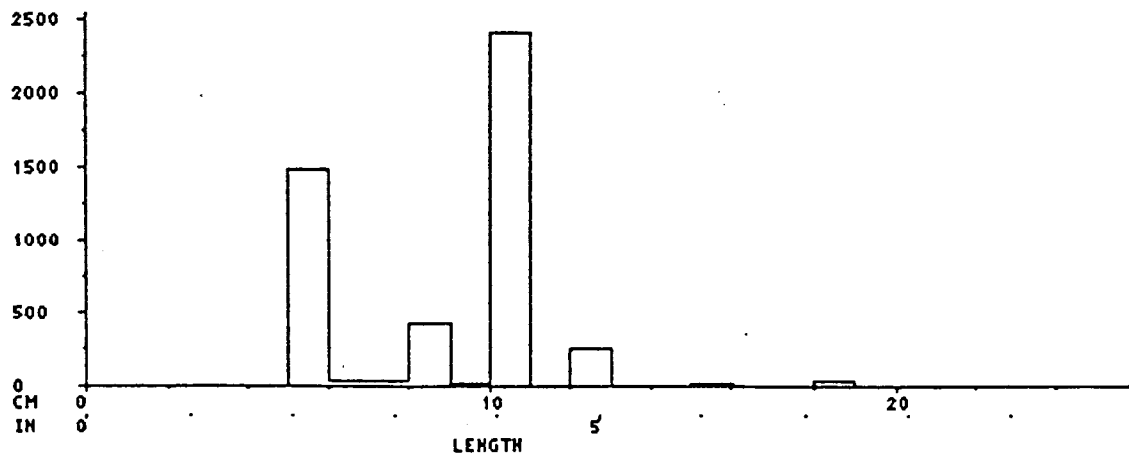


FIGURE 6. JONES LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 4720 INDIVIDUALS

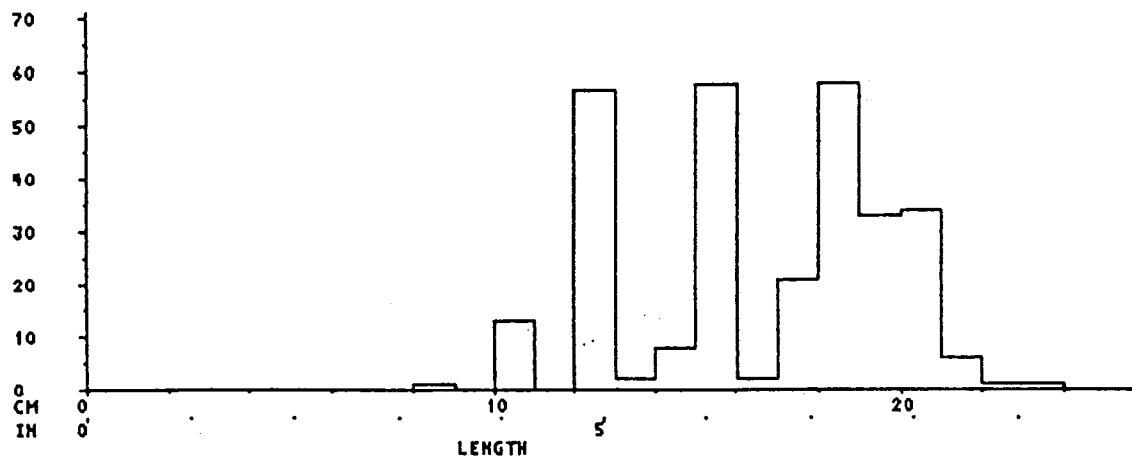


FIGURE 7. JONES LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'GSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 295 INDIVIDUALS

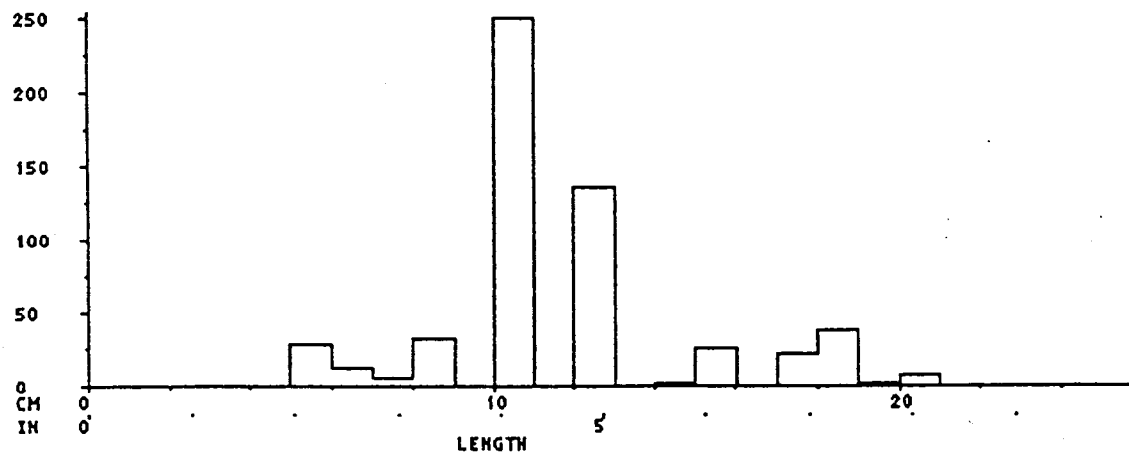


FIGURE 8. JONES LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'GSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 558 INDIVIDUALS

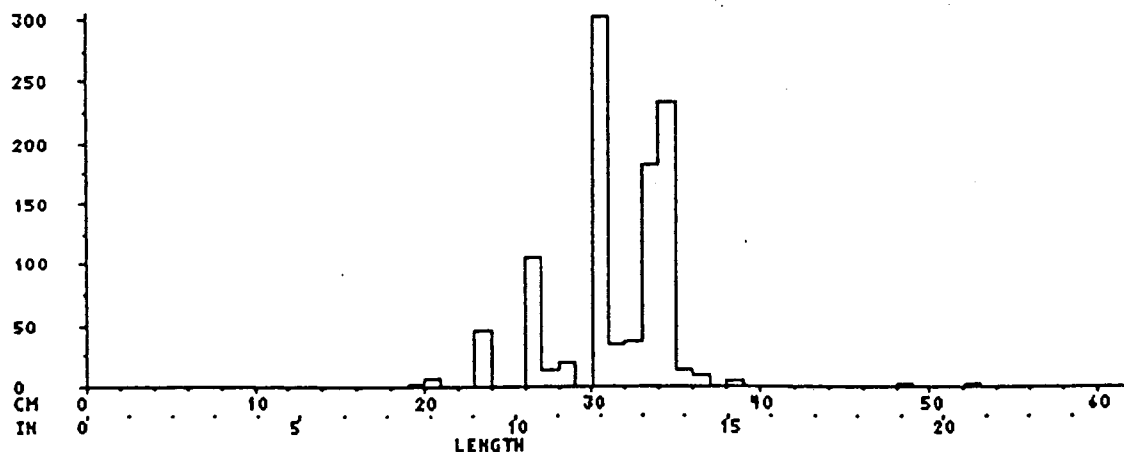


FIGURE 9. JONES LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1016 INDIVIDUALS

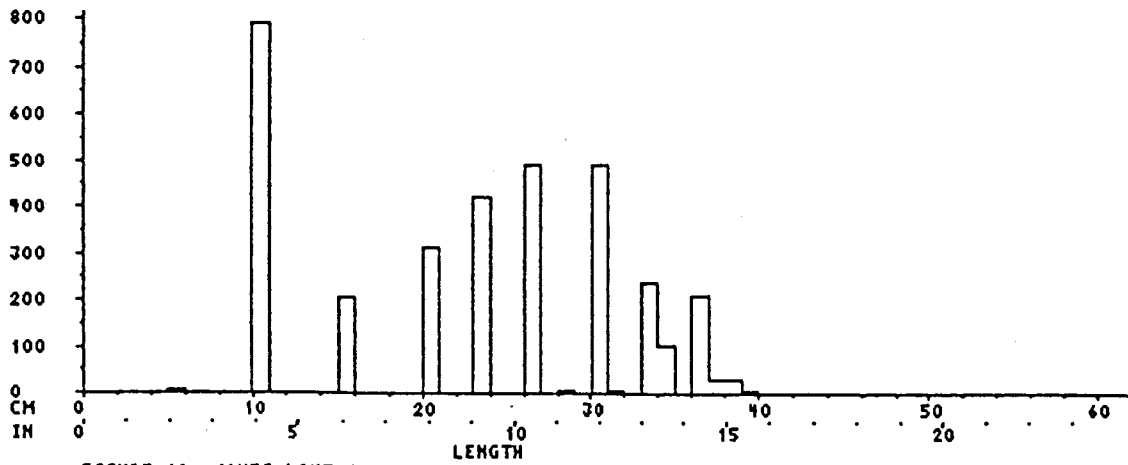


FIGURE 10. JONES LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 3357 INDIVIDUALS

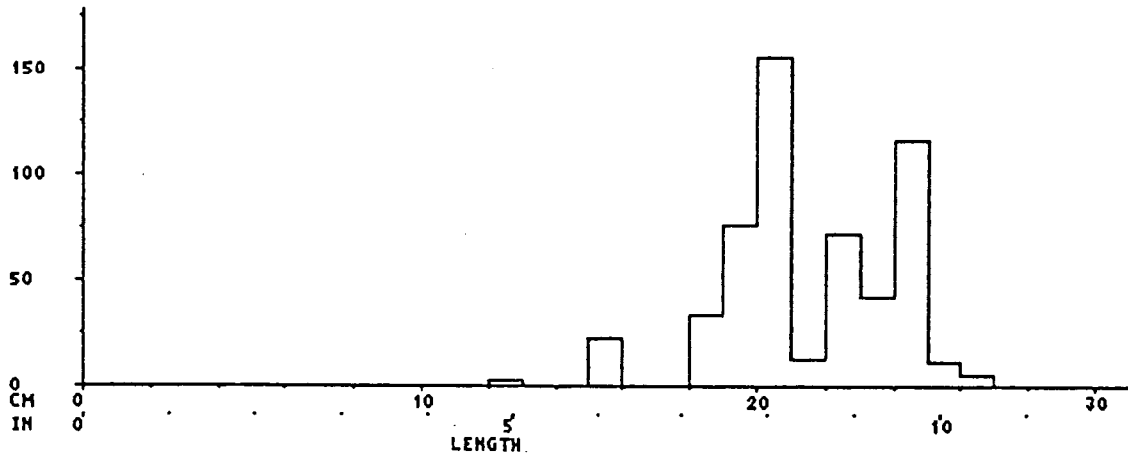


FIGURE 11. JONES LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'RSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 549 INDIVIDUALS

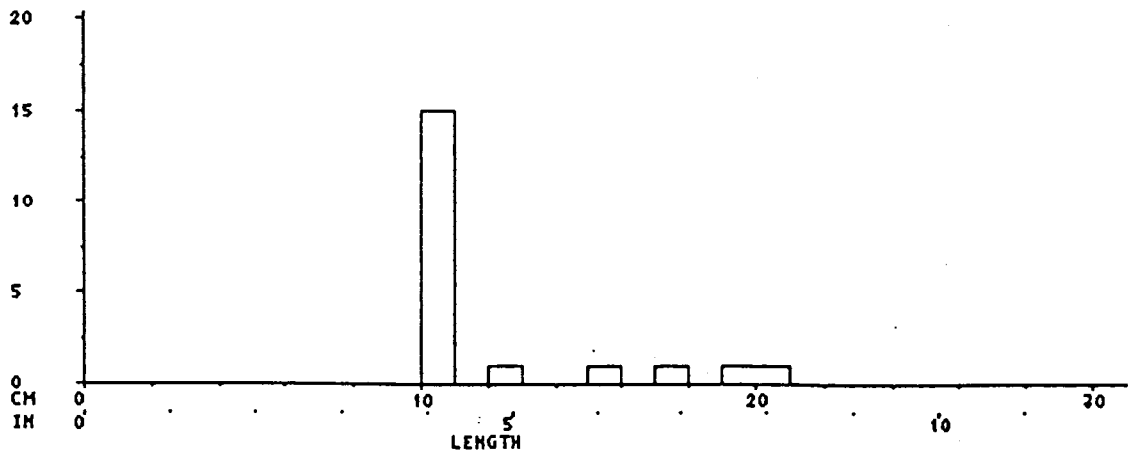


FIGURE 12. JONES LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'RSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 20 INDIVIDUALS

EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=5 LAKE :=MERMET LAKE  
 DISTRICT :=22 YEAR :=97  
 ACREAGE :439 SAMPLING RATIO :=301/651 = 46.2%  
 NUMBER OF INTERVIEWS:2255

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/17 OF SECTION 1

	ANGL HRS	95% CONF INTVL	HRS/ ACRE	95% CONF INTVL	% EFF INTVD
BOAT FISHING:					
WEEKDAY	10389	8332-12446 ( 20%)	24	19-28 ( 20%)	15.42
WKND/HOL	8419	6647-10191 ( 21%)	19	15-23 ( 21%)	31.57
STR TOTAL	18808	16229-21387 ( 14%)	43	37-49 ( 14%)	22.65
SHORE FISHING:					
WEEKDAY	9676	7999-11353 ( 17%)	22	18-26 ( 17%)	14.33
WKND/HOL	6947	5718-8176 ( 18%)	16	13-19 ( 18%)	27.53
STR TOTAL	16623	14607-18639 ( 12%)	38	33-42 ( 12%)	19.85
BOAT/SHORE COALESCED:					
WEEKDAY	19800	17267-22333 ( 13%)	45	39-51 ( 13%)	15.09
WKND/HOL	15169	12705-17633 ( 16%)	35	29-40 ( 16%)	30.13
STR TOTAL	34969	31571-38367 ( 10%)	80	72-87 ( 10%)	21.61
BOAT/SHORE STRATIFIED:					
WEEKDAY	20066	17603-22529 ( 12%)	46	40-51 ( 12%)	14.89
WKND/HOL	15369	13308-17430 ( 13%)	35	30-40 ( 13%)	29.74
STR TOTAL	35435	32297-38573 ( 9%)	81	74-88 ( 9%)	21.33

HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :=5 LAKE :=MERMET LAKE  
 DISTRICT :=22 YEAR :=97  
 ACREAGE :439 SAMPLING RATIO :=602/1302 = 46.2%  
 RATIO OF EFFORT HOURS INTERVIEWED := 7558.4/35437.3 = 21.32%  
 NUMBER OF INTERVIEWS: 2255

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/17 OF SECTION 1

MSC SPECIES CAUGHT:  
 BRB YEB BLB SPG CAP  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/ShORE STRATIFIED  
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.000	+- .004 (357 %)	123	+-565 (357 %)	.69	.28
BLG	.351	.057-.644 ( 84 %)	11957	8434-15480 ( 29 %)	67.30	27.24
BOW	.000	+- .000 (318 %)	1	+-5 (318 %)	.00	.00
CCF	.120	.099-.141 ( 17 %)	3470	2831-4109 ( 18 %)	19.53	7.91
LMB	.008	.004-.012 ( 49 %)	395	149-640 ( 62 %)	2.22	.90
ORS	.000	+- .000 (318 %)	2	+-10 (318 %)	.01	.00
RSF	.021	.005-.036 ( 75 %)	990	347-1633 ( 65 %)	5.57	2.26
WAM	.005	.001-.010 ( 81 %)	169	+-348 (106 %)	.95	.39
WHC	.121	.081-.161 ( 33 %)	5859	3788-7930 ( 35 %)	32.98	13.35
MSC	.007	+- .016 (112 %)	151	73-228 ( 51 %)	.85	.35
TOT	.634	.338-.931 ( 47 %)	23118	18302-27933 ( 21 %)	130.12	52.66

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.000	+- .000 (365 %)	19	+-89 (365 %)	.107	154.5
BLG	.046	.011-.080 ( 75 %)	1701	1129-2272 ( 34 %)	9.573	142.2
BOW	.000	+- .000 (318 %)	1	+-2 (318 %)	.003	361.8
CCF	.122	.100-.145 ( 18 %)	3432	2802-4061 ( 18 %)	19.316	989.0
LMB	.010	.005-.016 ( 56 %)	457	108-806 ( 76 %)	2.574	1158.8
ORS	.000	+- .000 (318 %)	2	+- .23707 (318 %)	.000	23.4
RSF	.005	.001-.008 ( 72 %)	201	65-338 ( 68 %)	1.133	203.4
WAM	.001	.000-.002 ( 74 %)	32	2-62 ( 93 %)	.180	189.2
WHC	.015	.010-.019 ( 31 %)	730	463-996 ( 37 %)	4.108	124.6
MSC	.003	+- .008 (132 %)	64	24-104 ( 62 %)	.361	425.8
TOT	.202	.162-.243 ( 20 %)	6637	5607-7667 ( 16 %)	37.356	287.1

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.000	+- .001 (365 %)	42	+-196 (365 %)	.096	.3407
BLG	.101	.025-.177 ( 75 %)	3749	2490-5009 ( 34 %)	8.541	.3136
BOW	.000	+- .000 (318 %)	1	+-4 (318 %)	.002	.7976
CCF	.270	.221-.319 ( 18 %)	7566	6178-8953 ( 18 %)	17.234	2.1803
LMB	.023	.010-.036 ( 56 %)	1008	239-1778 ( 76 %)	2.297	2.5546
ORS	.000	+- .000 (318 %)	2	+- .52266 (318 %)	.000	.0517
RSF	.010	.003-.017 ( 72 %)	444	143-745 ( 68 %)	1.011	.4484
WAM	.002	.000-.004 ( 74 %)	71	5-136 ( 93 %)	.161	.4171
WHC	.032	.022-.042 ( 31 %)	1609	1021-2197 ( 37 %)	3.665	.2746
MSC	.007	+- .017 (132 %)	142	54-229 ( 62 %)	.322	.9386
TOT	.446	.357-.535 ( 20 %)	14631	12360-16903 ( 16 %)	33.329	.6329

HARVESTED AND CPUE TABLE                    \*\*\* DAY \*\*\*  
 REGION :=5                    LAKE :=MERMET LAKE  
 DISTRICT :=22                YEAR :=97  
 ACREAGE :439                SAMPLING RATIO :=602/1302 = 46.2%  
 RATIO OF EFFORT HOURS INTERVIEWED := 7558.4/35437.3 = 21.32%  
 NUMBER OF INTERVIEWS: 2255

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/17 OF SECTION 1

MSC SPECIES CAUGHT:  
 WHC LMB BLG WAM CCF RSF BOW ORS BLC  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	#/HR	95% CI		# HARVST	95% CI		#/HA	#/ACRE
BLB	.000	+- .001	(220 %)	5	+-14	(220 %)	.03	.01
BRB	.002	.000-.003	( 92 %)	58	5-111	( 92 %)	.33	.13
CAP	.000	+- .000	(245 %)	12	+-41	(245 %)	.07	.03
SPG	*** NOT RECORDED ***			*** NOT RECORDED ***				
YEB	.005	+- .013	(157 %)	76	24-128	( 68 %)	.43	.18
MSC	.627	.330-.924	( 47 %)	22967	18153-27780	( 21 %)	129.27	52.32
TOT	.634	.338-.931	( 47 %)	23118	18302-27933	( 21 %)	130.12	52.66

SPEC	KG/HR	95% CI		KG HARVST	95% CI		KG/HA	AVG WT (G)
BLB	.000	+- .000	(220 %)		+-2	(220 %)	.003	126.7
BRB	.000	+- .001	(105 %)	17	+-34	(101 %)	.096	294.4
CAP	.000	+- .000	(245 %)	9	+-32	(245 %)	.052	775.5
SPG	*** NOT RECORDED ***			*** NOT RECORDED ***				
YEB	.003	+- .007	(167 %)	37	6-69	( 85 %)	.210	488.6
MSC	.199	.158-.240	( 20 %)	6573	5547-7598	( 16 %)	36.994	286.2
TOT	.202	.162-.243	( 20 %)	6637	5607-7667	( 16 %)	37.356	287.1

SPEC	LB/HR	95% CI		LB HARVST	95% CI		LB/ACRE	AVG WT (LB)
BLB	.000	+- .000	(220 %)	1	+-4	(220 %)	.003	.2793
BRB	.001	+- .003	(105 %)	38	+-76	(101 %)	.086	.6489
CAP	.000	+- .000	(245 %)	20	+-71	(245 %)	.047	1.7097
SPG	*** NOT RECORDED ***			*** NOT RECORDED ***				
YEB	.006	+- .015	(167 %)	82	13-152	( 85 %)	.187	1.0773
MSC	.439	.349-.528	( 20 %)	14490	12229-16751	( 16 %)	33.006	.6309



CAUGHT AND CPUE TABLE      \*\*\* DAY \*\*\*  
 REGION :=5      LAKE :=MERMET LAKE  
 DISTRICT :=22      YEAR :=97  
 ACREAGE :439      SAMPLING RATIO :=602/1302 = 46.2%  
 RATIO OF EFFORT HOURS INTERVIEWED := 7558.4/35437.3 = 21.32%  
 NUMBER OF INTERVIEWS: 2255

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/17 OF SECTION 1

MSC SPECIES CAUGHT:  
 BRB YEB BLB SPG CAP  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLC	.001	+- .004 (264 %)	160	+-604 (278 %)	.90	.37
BLG	.488	.191-.785 ( 61 %)	18302	13737-22866 ( 25 %)	103.01	41.69
BOW	.002	.000-.004 ( 78 %)	101	24-179 ( 77 %)	.57	.23
CCF	.133	.112-.155 ( 16 %)	3961	3264-4658 ( 18 %)	22.30	9.03
LMB	.079	.052-.106 ( 35 %)	2661	1993-3328 ( 25 %)	14.98	6.06
ORS	.000	+- .000 (196 %)	15	+-37 (145 %)	.08	.04
RSF	.022	.006-.037 ( 72 %)	1052	383-1721 ( 64 %)	5.92	2.40
WAM	.008	.003-.013 ( 60 %)	278	91-466 ( 67 %)	1.57	.64
WHC	.271	.194-.347 ( 28 %)	14494	9304-19685 ( 36 %)	81.58	33.02
MSC	.014	.006-.023 ( 60 %)	371	265-478 ( 29 %)	2.09	.85
TOT	1.019	.715-1.324 ( 30 %)	41395	33812-48979 ( 18 %)	233.00	94.29

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT (G)
BLC	.000	+- .000 (327 %)	21	+-91 (334 %)	.118	130.8
BLG	.052	.017-.087 ( 67 %)	1984	1382-2586 ( 30 %)	11.168	108.4
BOW	.000	+- .002 (153 %)	28	+-67 (141 %)	.156	274.0
CCF	.127	.104-.149 ( 18 %)	3573	2934-4213 ( 18 %)	20.113	902.1
LMB	.046	.030-.063 ( 36 %)	1857	1234-2481 ( 34 %)	10.455	698.1
ORS	.000	+- .000 (151 %)	2	+-4 (184 %)	.009	103.8
RSF	.005	.001-.008 ( 70 %)	211	73-349 ( 66 %)	1.185	200.2
WAM	.001	.000-.002 ( 66 %)	39	9-69 ( 78 %)	.219	139.6
WHC	.021	.015-.026 ( 28 %)	1098	712-1485 ( 35 %)	6.182	75.8
MSC	.020	.006-.034 ( 70 %)	524	218-830 ( 58 %)	2.949	1411.1
TOT	.272	.228-.316 ( 16 %)	9337	8078-10596 ( 13 %)	52.554	225.6

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT (LB)
BLC	.000	+- .001 (327 %)	46	+-200 (334 %)	.105	.2884
BLG	.114	.038-.191 ( 67 %)	4374	3048-5701 ( 30 %)	9.964	.2390
BOW	.001	+- .003 (153 %)	61	+-147 (141 %)	.139	.6041
CCF	.279	.230-.329 ( 18 %)	7878	6468-9288 ( 18 %)	17.945	1.9888
LMB	.102	.066-.138 ( 36 %)	4095	2721-5469 ( 34 %)	9.328	1.5391
ORS	.000	+- .000 (151 %)	3	+-10 (184 %)	.008	.2288
RSF	.010	.003-.018 ( 70 %)	464	160-768 ( 66 %)	1.057	.4413
WAM	.003	.000-.004 ( 66 %)	86	19-152 ( 78 %)	.195	.3077
WHC	.045	.033-.058 ( 28 %)	2421	1569-3273 ( 35 %)	5.516	.1671
MSC	.044	.013-.075 ( 70 %)	1155	481-1829 ( 58 %)	2.631	3.1109
TOT	.600	.503-.697 ( 16 %)	20584	17809-23359 ( 13 %)	46.888	.4973

CAUGHT AND CPUE TABLE                    \*\*\* DAY \*\*\*  
 REGION :5                    LAKE :MERMET LAKE  
 DISTRICT :22                YEAR :97  
 ACREAGE :439                SAMPLING RATIO :=602/1302 = 46.2%  
 RATIO OF EFFORT HOURS INTERVIEWED := 7558.4/35437.3 = 21.32%  
 NUMBER OF INTERVIEWS: 2255

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/17 OF SECTION 1

MSC SPECIES CAUGHT:

WHC LMB BLG WAM CCF RSF BOW ORS BLC  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLB	.002	.000-.003 ( 73 %)	63	17-108 ( 73 %)	.35	.14
BRB	.003	.000-.006 ( 81 %)	96	34-159 ( 65 %)	.54	.22
CAP	.000	+- .000 (245 %)	12	+-41 (245 %)	.07	.03
SFG	.002	.000-.003 ( 87 %)	43	13-72 ( 70 %)	.24	.10
YEB	.007	+- .016 (111 %)	158	90-225 ( 43 %)	.89	.36
MSC	1.005	.699-1.310 ( 30 %)	41024	33442-48606 ( 18 %)	230.91	93.45
TOT	1.019	.715-1.324 ( 30 %)	41395	33812-48979 ( 18 %)	233.00	94.29

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT (G)
BLB	.000	+- .000 (108 %)	13	2-24 ( 88 %)	.073	206.2
BRB	.002	+- .004 (142 %)	36	+-72 (101 %)	.203	374.3
CAP	.000	+- .000 (245 %)	9	+-32 (245 %)	.052	775.5
SFG	.015	.001-.028 ( 92 %)	413	111-715 ( 73 %)	2.326	9721.2
YEB	.003	+- .007 (142 %)	52	19-86 ( 64 %)	.295	331.7
MSC	.252	.210-.295 ( 17 %)	8813	7593-10033 ( 14 %)	49.605	214.8
TOT	.272	.228-.316 ( 16 %)	9337	8078-10596 ( 13 %)	52.554	225.6

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT (LB)
BLB	.000	+- .002 (108 %)	28	4-53 ( 88 %)	.065	.4546
BRB	.004	+- .009 (142 %)	80	+-160 (101 %)	.181	.8252
CAP	.000	+- .000 (245 %)	20	+-71 (245 %)	.047	1.7097
SFG	.033	.003-.063 ( 92 %)	911	245-1577 ( 73 %)	2.075	21.4313
YEB	.007	+- .016 (142 %)	115	42-189 ( 64 %)	.263	.7312
MSC	.556	.462-.650 ( 17 %)	19429	16740-22118 ( 14 %)	44.257	.4736
TOT	.600	.503-.697 ( 16 %)	20584	17809-23358 ( 13 %)	44.888	.4972

TABLE MERMET LAKE 1997 DAY CREEL FINAL REPORT  
DAYTIME DATA FOR LAKE=MERMET LAKE CREEL BEGUN IN YEAR=97

SECTION 1 FROM 03/15 TO 04/08  
SECTION 1 FROM 04/09 TO 04/30  
SECTION 1 FROM 05/01 TO 05/31  
SECTION 1 FROM 06/01 TO 06/15  
SECTION 1 FROM 06/16 TO 08/31  
SECTION 1 FROM 09/01 TO 09/30  
SECTION 1 FROM 10/01 TO 10/17

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.7	4.5 - 5 ( 5%)	.2	10.6	409
SHORE	2.4	1.7 - 3.2 ( 29%)	.2	8	33
BOAT & SHORE	4.6	4.3 - 4.8 ( 5%)	.2	10.6	442

261 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
20.8% OF ALL 2124 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	36.1	32.7 - 39.5 ( 9%)	1	800	1833
SUCCESS RATING 1-10?	4.3	4.1 - 4.4 ( 3%)	1	10	1823

IS CATCH ILLEGAL?

CLERK NOTED 2 OUT OF 2124 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT				PARTY SIZE VS. # INTERVIEWS	
				BOAT	SHORE
ANY	330 ( 15.5%)	LMB	421 ( 19.8%)	1	461
CCF	930 ( 43.8%)	WHC	178 ( 8.4%)	2	511
CRP	4 ( .2%)	SUN	5 ( .2%)	3	169
BLG	253 ( 11.9%)	RSF	2 ( .1%)	4	65
CAP	1 ( 0%)			5	21
				6	10
				7	2
				8	1
				9	
				10+	

TABLE MERMET LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=MERMET LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CAP	#ANGLERS	#SPG	#ANGLERS	#SPG	#ANGLERS	#	#ANGLERS	#	#ANGLERS
0	758	0	758	16		0	758		16
1		1		17		1			17
2		2		18		2			18
3		3		19		3			19
4		4		20		4			20
5		5		21		5			21
6		6		22		6			22
7		7		23		7			23
8		8		24		8			24
9		9		25		9			25
10		10		26		10			26
11		11		27		11			27
12		12		28		12			28
13		13		29		13			29
14		14		30		14			30
15+		15		31+		15			31+

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CAP	#ANGLERS	#SPG	#ANGLERS	#SPG	#ANGLERS	#	#ANGLERS	#	#ANGLERS
0	758	0	756	16		0	758		16
1		1	2	17		1			17
2		2		18		2			18
3		3		19		3			19
4		4		20		4			20
5		5		21		5			21
6		6		22		6			22
7		7		23		7			23
8		8		24		8			24
9		9		25		9			25
10		10		26		10			26
11		11		27		11			27
12		12		28		12			28
13		13		29		13			29
14		14		30		14			30
15+		15		31+		15			31+

(TAXA FOR L.FREQS.= CAP SPG )

TABLE MERMET LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=MERMET LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLB	#ANGLERS	#BRB	#ANGLERS	#BRB	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS
0	758	0	756	16		0	752	16	
1		1	2	17		1	6	17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLB	#ANGLERS	#BRB	#ANGLERS	#BRB	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS
0	758	0	756	16		0	749	16	
1		1	2	17		1	9	17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= BLB BRB YEB )

TABLE MERMET LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=MERMET LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#ORS	#ANGLERS	#RSF	#ANGLERS	#RSF	#ANGLERS	#WAM	#ANGLERS	#WAM	#ANGLERS
0	758	0	738	16		0	744	16	
1		1	4	17		1	12	17	
2		2	6	18		2	2	18	
3		3	7	19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6	3	22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#ORS	#ANGLERS	#RSF	#ANGLERS	#RSF	#ANGLERS	#WAM	#ANGLERS	#WAM	#ANGLERS
0	758	0	754	16		0	757	16	
1		1	3	17		1	1	17	
2		2	1	18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= ORS RSF WAM )

TABLE MERMET LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=MERMET LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS	#BOW	#ANGLERS	#BOW	#ANGLERS
0	756	0	693	16		0	758	16	
1		1	21	17		1		17	
2		2	5	18		2		18	
3	2	3	6	19		3		19	
4		4	2	20		4		20	
5		5	6	21		5		21	
6		6	2	22		6		22	
7		7	2	23		7		23	
8		8	4	24	1	8		24	
9		9		25	1	9		25	
10		10	7	26		10		26	
11		11		27	1	11		27	
12		12		28		12		28	
13		13	2	29		13		29	
14		14	1	30		14		30	
15+		15	3	31+	1	15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS	#BOW	#ANGLERS	#BOW	#ANGLERS
0	756	0	664	16	1	0	753	16	
1		1	33	17		1	5	17	
2		2	6	18		2		18	
3		3	8	19		3		19	
4		4	6	20	2	4		20	
5		5	11	21		5		21	
6		6	5	22		6		22	
7		7	3	23		7		23	
8	2	8	6	24		8		24	
9		9		25	4	9		25	
10		10	4	26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13	2	29		13		29	
14		14		30		14		30	
15+		15		31+	3	15		31+	

(TAXA FOR L.FREQS.= BLC WHC BOW )

TABLE MERMET LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=MERMET LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CCF	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS
0	579	0	743	16		0	666	16	
1	63	1	15	17		1	19	17	
2	46	2		18		2	13	18	2
3	26	3		19		3	6	19	
4	8	4		20		4	9	20	2
5	5	5		21		5	8	21	
6	31	6		22		6	3	22	
7		7		23		7	4	23	2
8		8		24		8	3	24	
9		9		25		9		25	2
10		10		26		10	5	26	
11		11		27		11	6	27	
12		12		28		12		28	1
13		13		29		13	3	29	
14		14		30		14		30	
15+		15		31+		15		31+	4

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CCF	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS
0	727	0	588	16		0	678	16	
1	28	1	98	17		1	31	17	
2	3	2	35	18		2	8	18	
3		3	18	19		3	11	19	
4		4	9	20		4	5	20	2
5		5	5	21		5	2	21	
6		6	3	22		6	6	22	
7		7		23		7	3	23	
8		8		24		8	6	24	
9		9		25		9		25	
10		10	2	26		10	1	26	
11		11		27		11		27	
12		12		28		12	2	28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15	2	31+	1

(TAXA FOR L.FREOS.= CCF LMB BLG )



EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=4 LAKE :=RANDOLPH COUNTY LAKE  
 DISTRICT :=17 YEAR :=97  
 ACREAGE :73 SAMPLING RATIO :=221/600 = 36.8%  
 NUMBER OF INTERVIEWS:1058

YEAR PERIOD 03/15 TO 04/03 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1

	ANGL HRS	95% CONF INTVL	HRS/ ACRE	95% CONF INTVL	% EFF INTVL
BOAT FISHING:					
WEEKDAY	4445	3641-5249 ( 13%)	61	50-72 ( 13%)	19.73
WKND/HOL	5843	4967-6719 ( 15%)	80	63-92 ( 15%)	23.19
STR TOTAL	10288	9118-11458 ( 11%)	141	125-157 ( 11%)	21.69
SHORE FISHING:					
WEEKDAY	3330	2659-4001 ( 20%)	46	36-55 ( 20%)	14.27
WKND/HOL	3225	2533-3917 ( 21%)	44	35-54 ( 21%)	24.69
STR TOTAL	6555	5602-7501 ( 14%)	90	77-103 ( 14%)	19.40
BOAT/SHORE COALESCED:					
WEEKDAY	7627	6466-8738 ( 15%)	104	89-120 ( 15%)	17.73
WKND/HOL	8986	7817-10155 ( 13%)	123	107-139 ( 13%)	23.93
STR TOTAL	16613	14993-18233 ( 10%)	228	205-250 ( 10%)	21.09
BOAT/SHORE STRATIFIED:					
WEEKDAY	7775	6738-8812 ( 13%)	107	92-121 ( 13%)	17.39
WKND/HOL	9070	7976-10164 ( 12%)	124	109-139 ( 12%)	23.71
STR TOTAL	16845	15351-18339 ( 9%)	231	210-251 ( 9%)	20.79

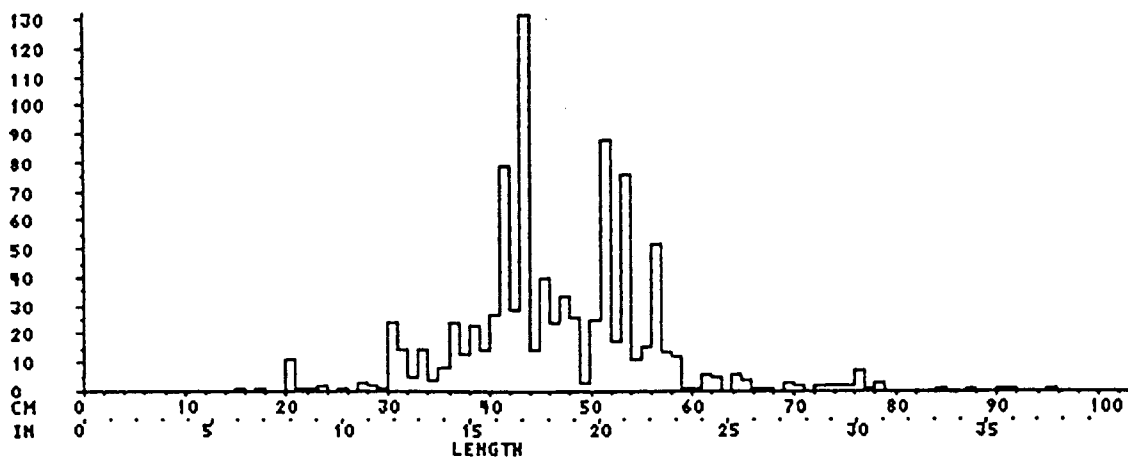


FIGURE 1. HERMET LAKE 1997 DAY CREEL THRU 10/17. HARVESTED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 944 INDIVIDUALS

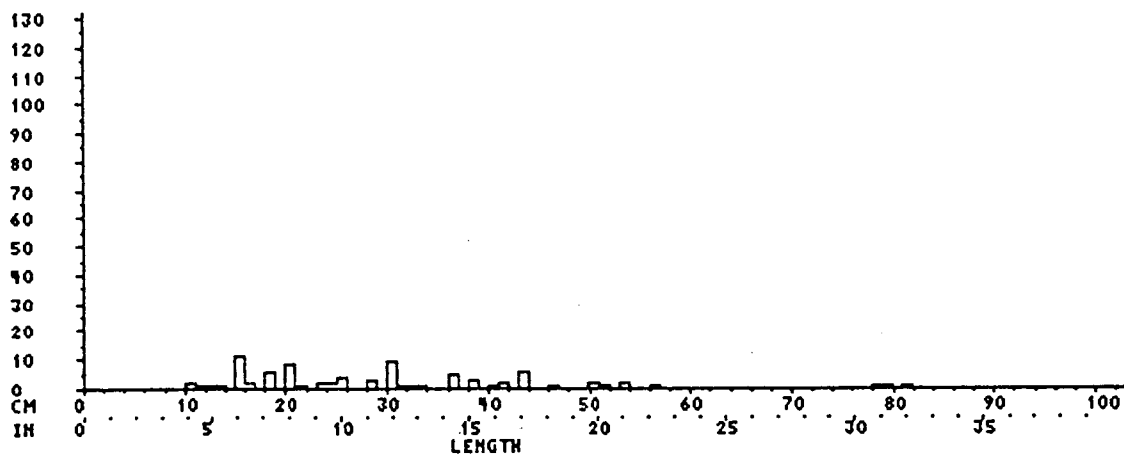


FIGURE 2. HERMET LAKE 1997 DAY CREEL THRU 10/17. RELEASED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 83 INDIVIDUALS

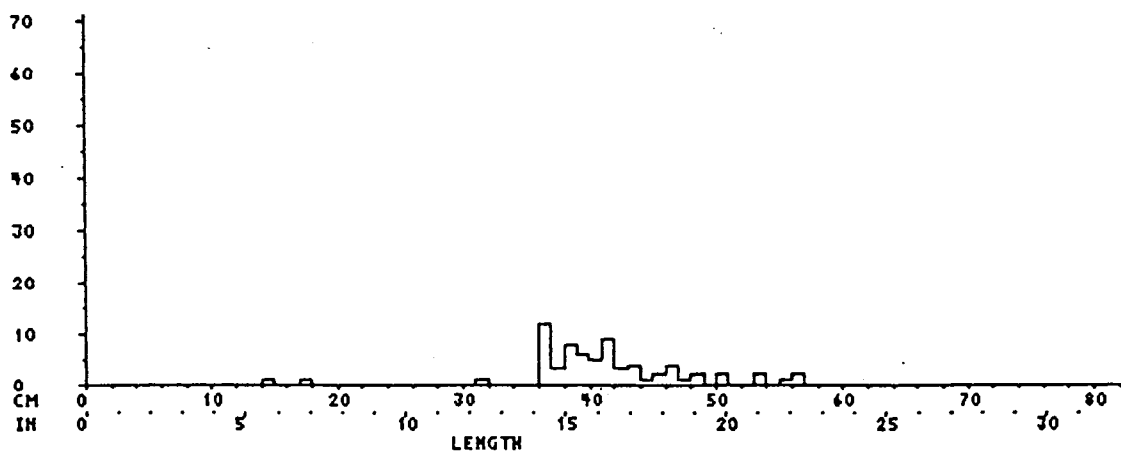


FIGURE 3. HERMET LAKE 1997 DAY CREEL THRU 10/17. HARVESTED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 70 INDIVIDUALS

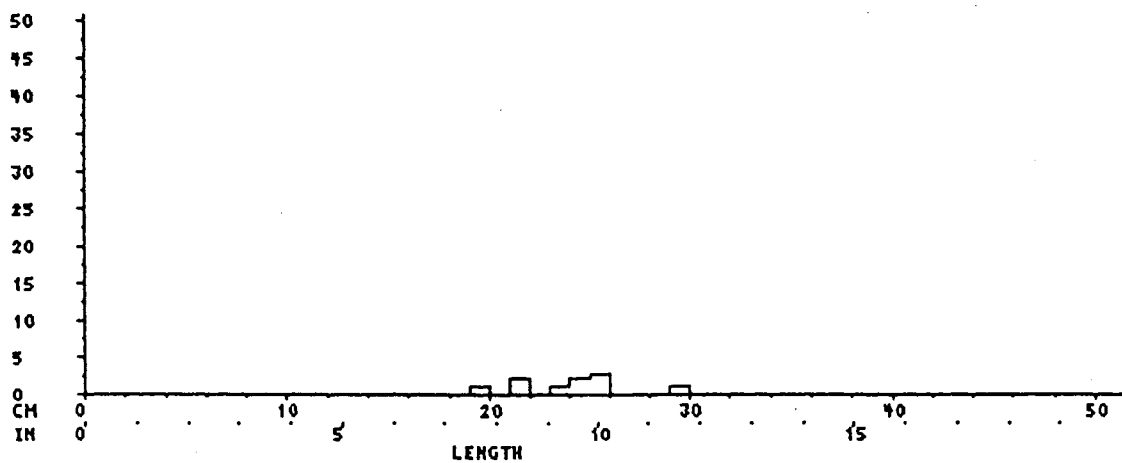


FIGURE 7. MERMET LAKE 1997 DAY CREEL THRU 10/17. HARVESTED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 10 INDIVIDUALS

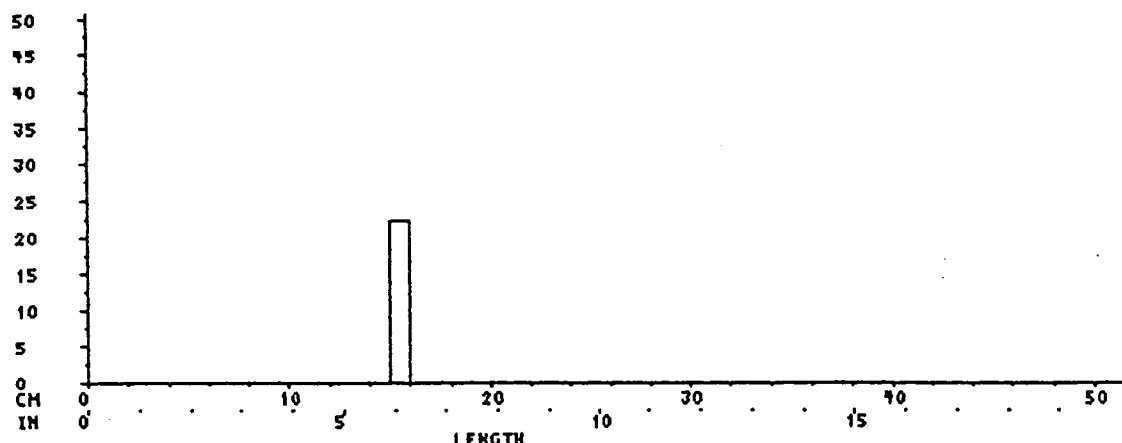


FIGURE 8. MERMET LAKE 1997 DAY CREEL THRU 10/17. RELEASED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 22 INDIVIDUALS

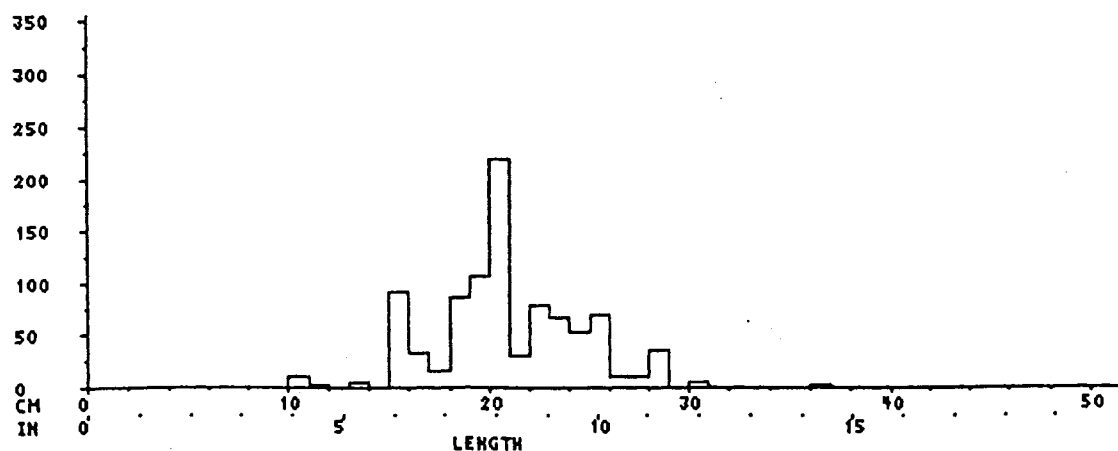


FIGURE 9. MERMET LAKE 1997 DAY CREEL THRU 10/17. HARVESTED 'MHC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 990 INDIVIDUALS

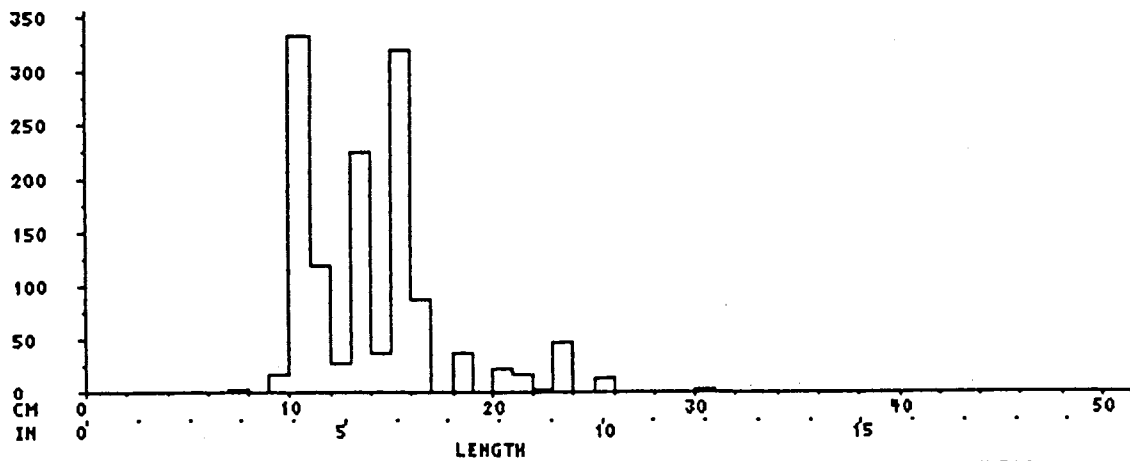


FIGURE 10. MERMET LAKE 1997 DAY CREEL THRU 10/17. RELEASED 'WHC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1315 INDIVIDUALS

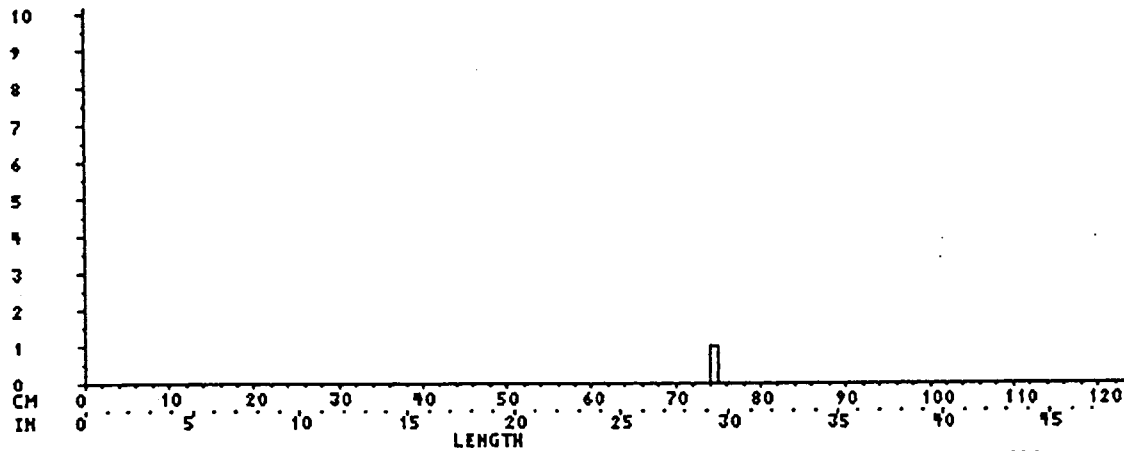


FIGURE 11. MERMET LAKE 1997 DAY CREEL THRU 10/17. HARVESTED 'BOW' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1 INDIVIDUALS

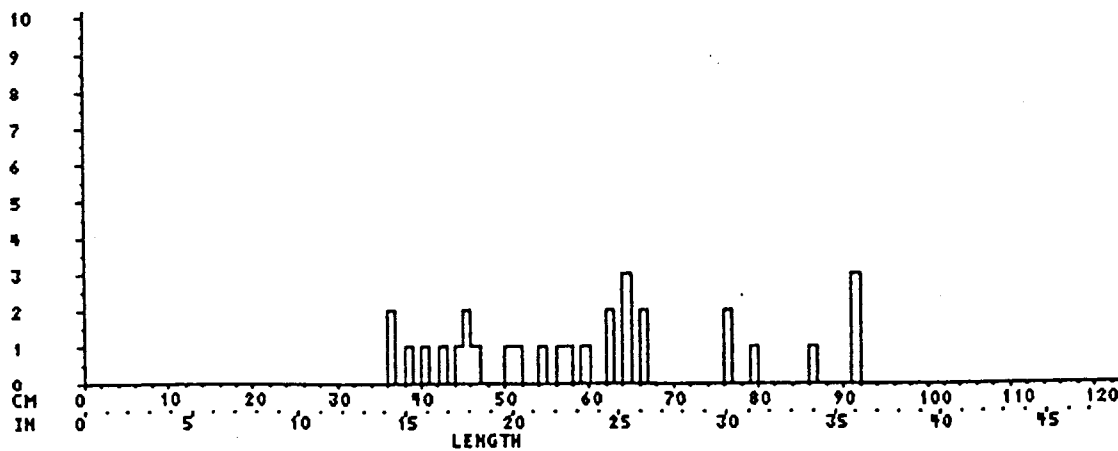


FIGURE 12. MERMET LAKE 1997 DAY CREEL THRU 10/17. RELEASED 'BOW' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 29 INDIVIDUALS

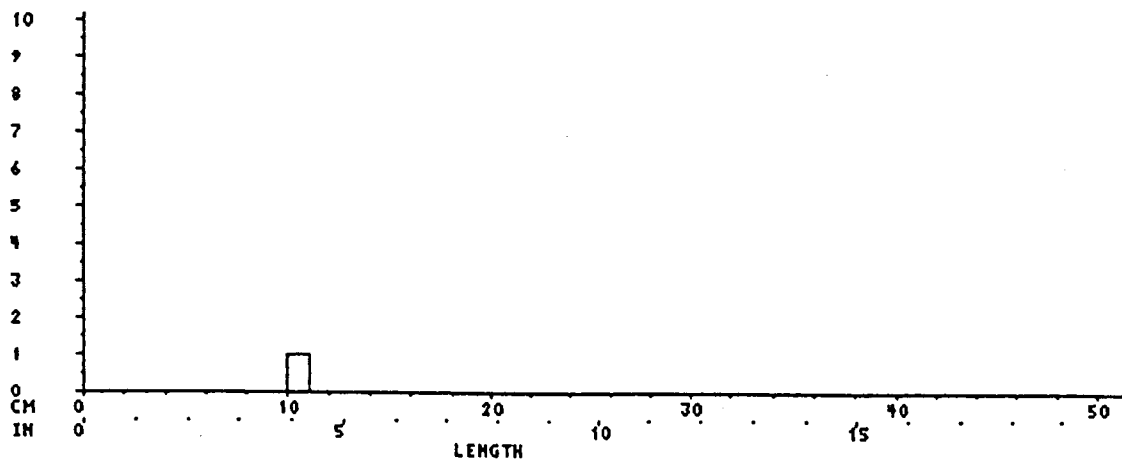


FIGURE 13. MERMET LAKE 1997 DAY CREEL THRU 10/17. HARVESTED 'ORS' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1 INDIVIDUALS

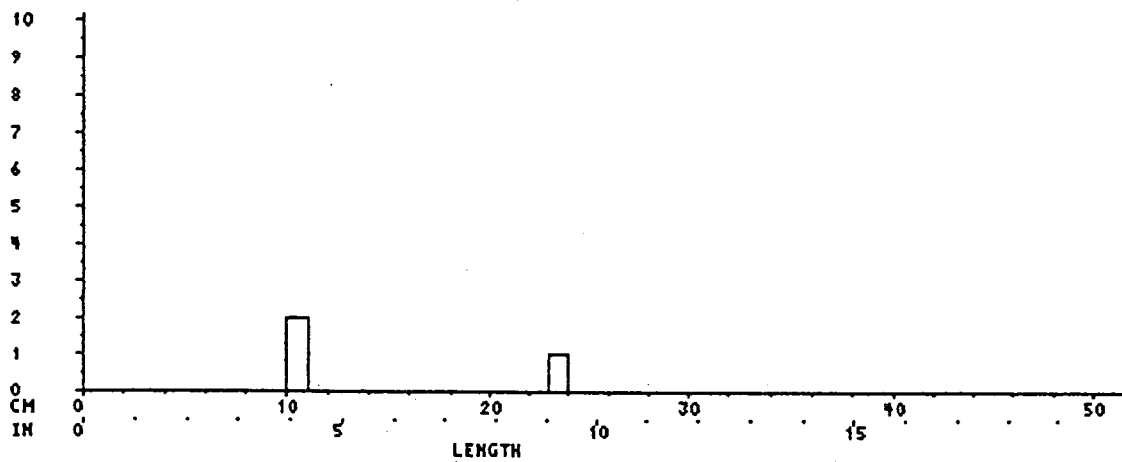


FIGURE 14. MERMET LAKE 1997 DAY CREEL THRU 10/17. RELEASED 'ORS' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 3 INDIVIDUALS

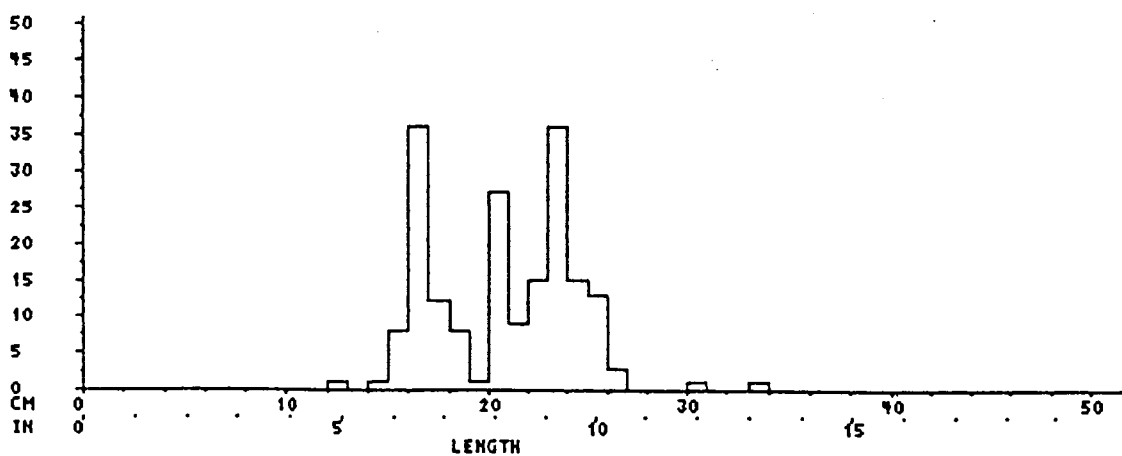


FIGURE 15. MERMET LAKE 1997 DAY CREEL THRU 10/17. HARVESTED 'RSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 187 INDIVIDUALS

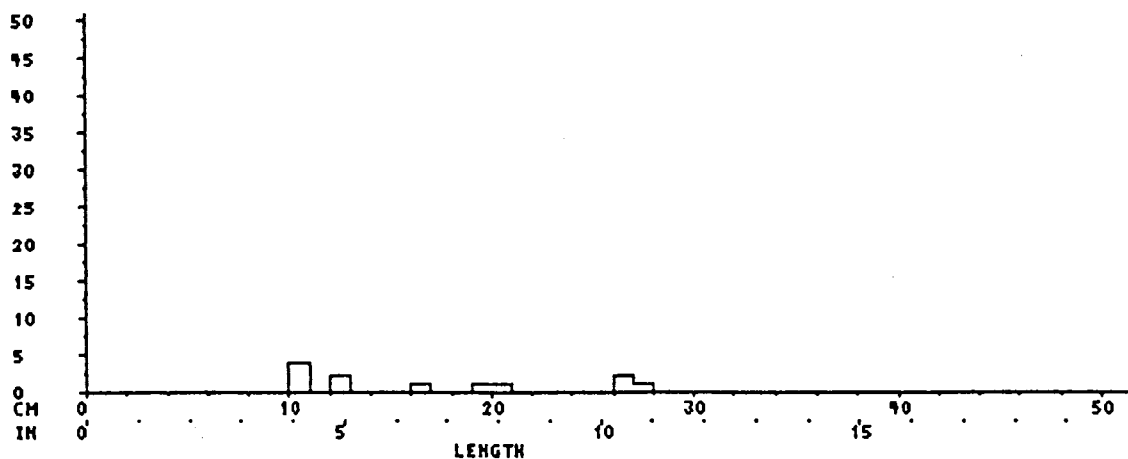


FIGURE 14. MERMET LAKE 1997 DAY CREEL THRU 10/17. RELEASED 'RSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 12 INDIVIDUALS

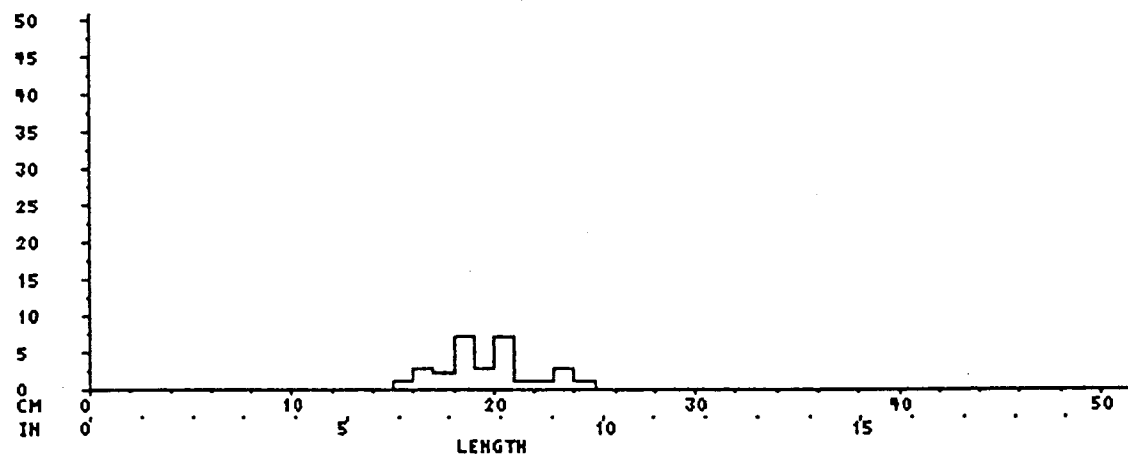


FIGURE 17. MERMET LAKE 1997 DAY CREEL THRU 10/17. HARVESTED 'HAM' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 29 INDIVIDUALS

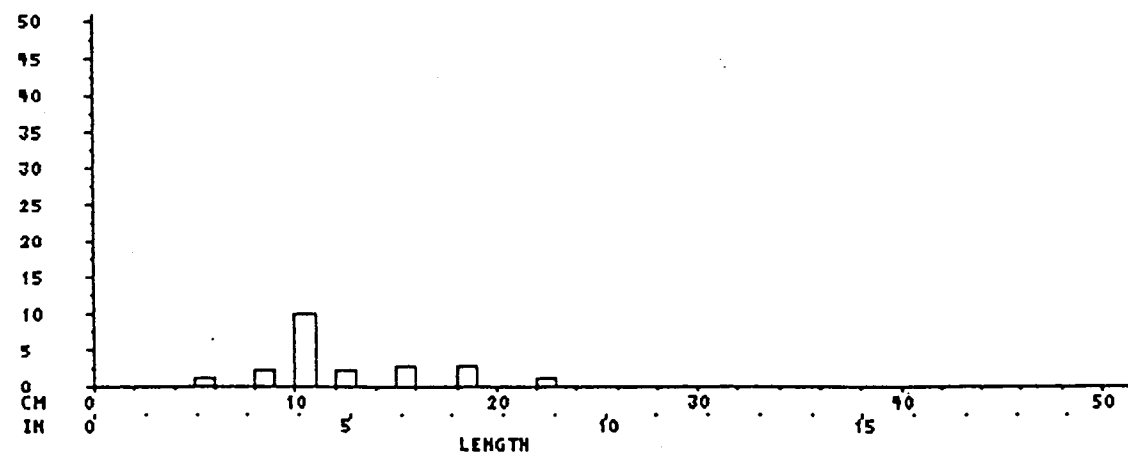


FIGURE 18. MERMET LAKE 1997 DAY CREEL THRU 10/17. RELEASED 'HAM' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 22 INDIVIDUALS

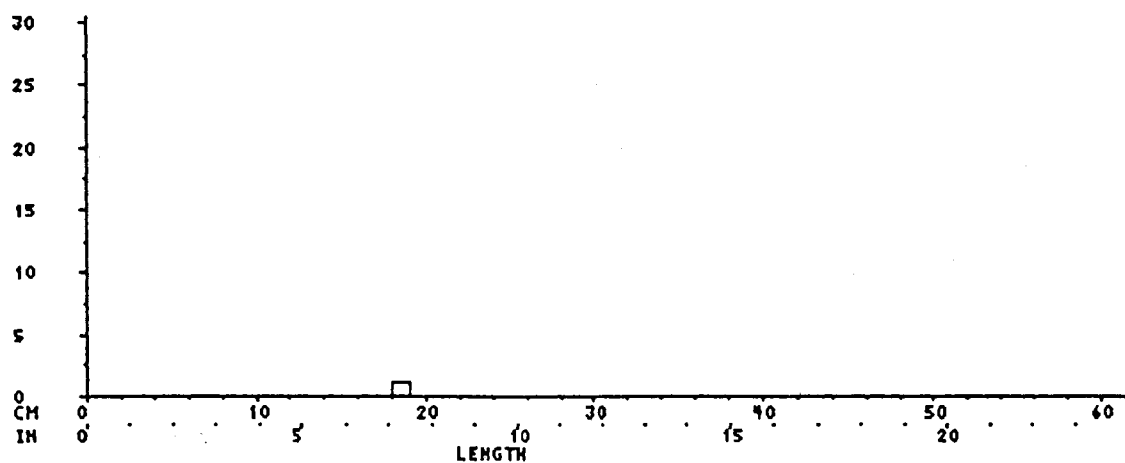


FIGURE 19. MERMET LAKE 1997 DAY CREEL THRU 10/17. HARVESTED 'BLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1 INDIVIDUALS

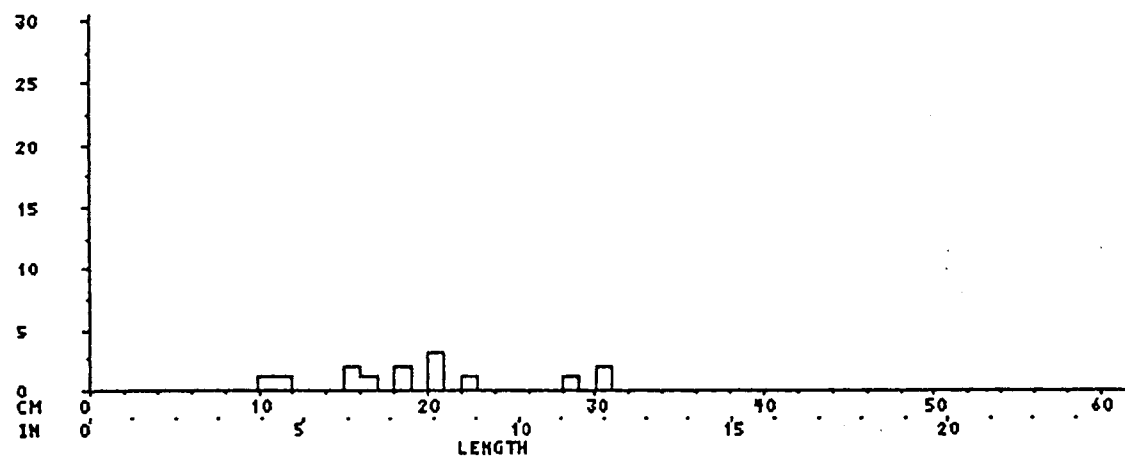


FIGURE 20. MERMET LAKE 1997 DAY CREEL THRU 10/17. RELEASED 'BLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 14 INDIVIDUALS

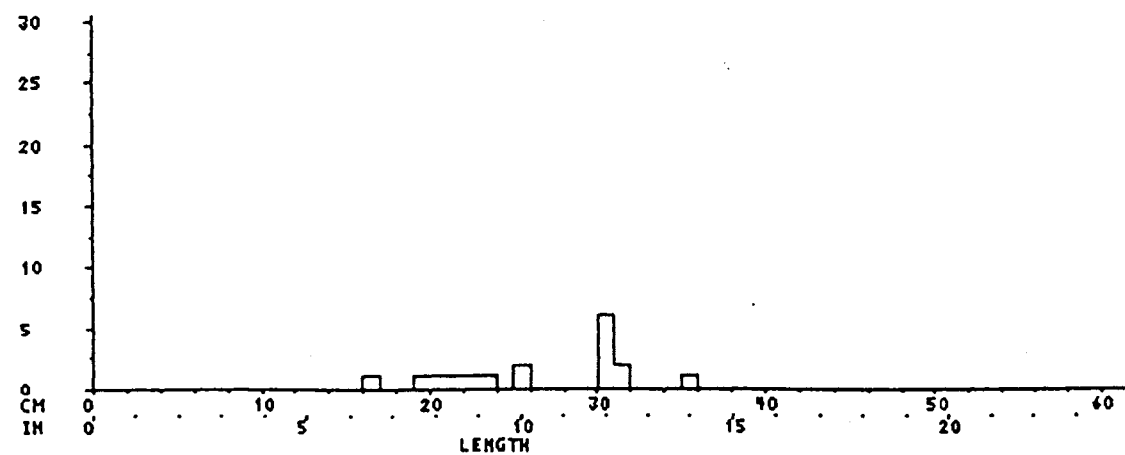


FIGURE 21. MERMET LAKE 1997 DAY CREEL THRU 10/17. HARVESTED 'BRB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 17 INDIVIDUALS

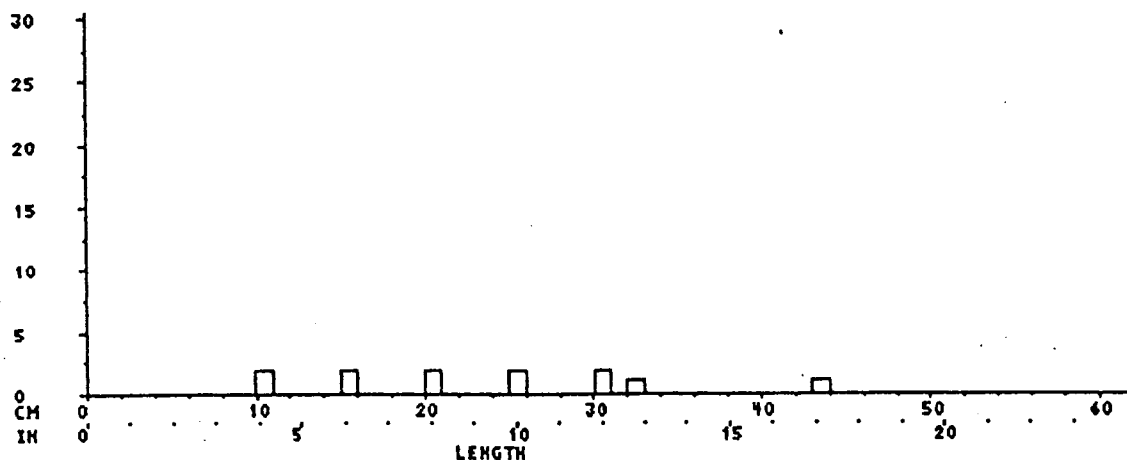


FIGURE 22. MERMET LAKE 1997 DAY CREEL THRU 10/17. RELEASED 'BRB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 12 INDIVIDUALS

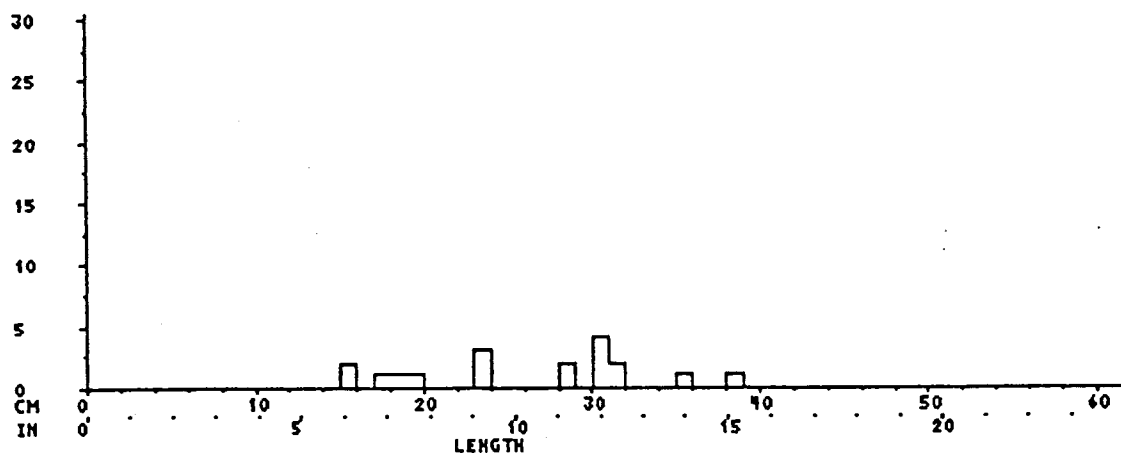


FIGURE 23. MERMET LAKE 1997 DAY CREEL THRU 10/17. HARVESTED 'YEB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 18 INDIVIDUALS

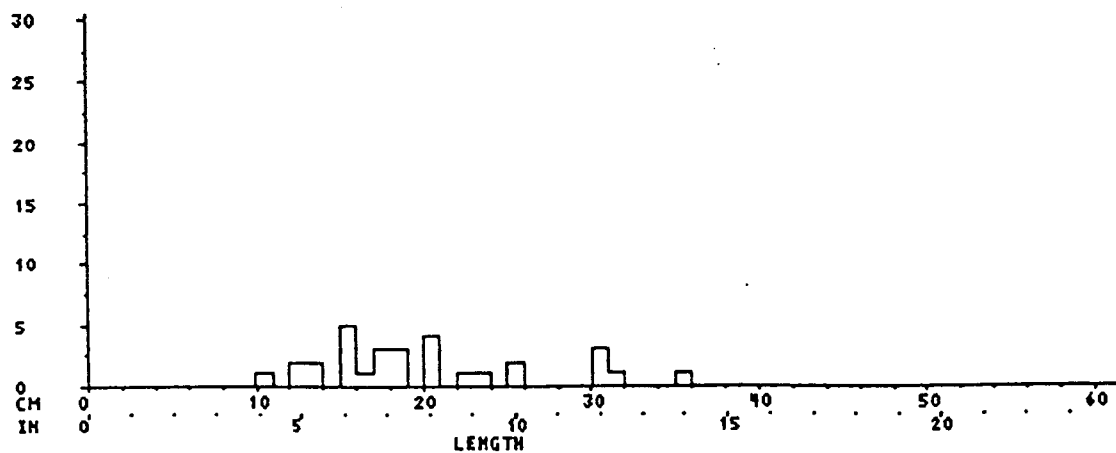


FIGURE 24. MERMET LAKE 1997 DAY CREEL THRU 10/17. RELEASED 'YEB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 30 INDIVIDUALS



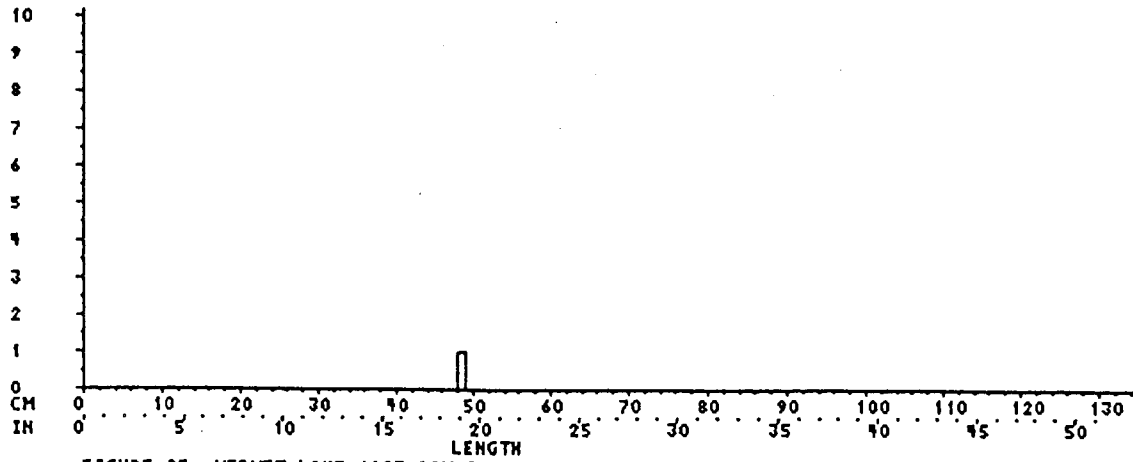


FIGURE 25. HERMET LAKE 1997 DAY CREEL THRU 10/17. HARVESTED 'CAP' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1 INDIVIDUALS

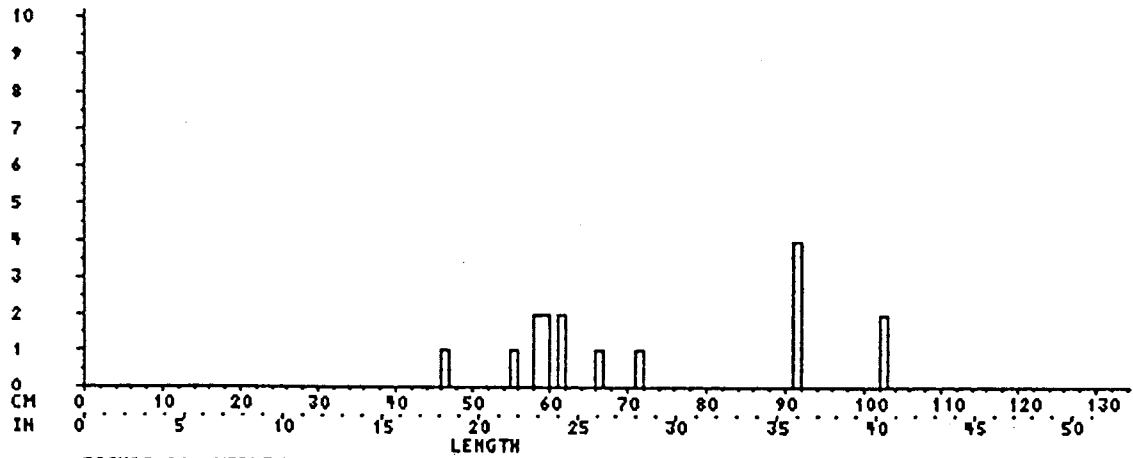


FIGURE 26. HERMET LAKE 1997 DAY CREEL THRU 10/17. RELEASED 'SPG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 16 INDIVIDUALS

EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=4 LAKE :=OTTER LAKE  
 DISTRICT :=15 YEAR :=97  
 ACREAGE :723 SAMPLING RATIO :=367/1396 = 26.4%  
 NUMBER OF INTERVIEWS:1757

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2

	ANGL HRS	95% CONF INTVL	HRS/ ACRE	95% CONF INTVL	% EFF INTVD
BOAT FISHING:					
WEEKDAY	17680	15411-19949 ( 13%)	24	21-28 ( 13%)	12.15
WKND/HOL	16371	14482-18260 ( 12%)	23	20-25 ( 12%)	28.90
STR TOTAL	34051	31146-36956 ( 9%)	47	43-51 ( 9%)	20.21
SHORE FISHING:					
WEEKDAY	851	401-1301 ( 53%)	1	-2 ( 53%)	11.08
WKND/HOL	616	313-919 ( 49%)		-1 ( 49%)	17.72
STR TOTAL	1467	941-1993 ( 36%)	2	1-3 ( 36%)	13.87
BOAT/SHORE COALESCED:					
WEEKDAY	18512	16180-20844 ( 13%)	26	22-29 ( 13%)	12.12
WKND/HOL	16956	15043-18869 ( 11%)	23	21-26 ( 11%)	28.55
STR TOTAL	35468	32500-38436 ( 8%)	49	45-53 ( 8%)	19.97
BOAT/SHORE STRATIFIED:					
WEEKDAY	18533	16230-20836 ( 12%)	26	22-29 ( 12%)	12.10
WKND/HOL	16990	15082-18893 ( 11%)	23	21-26 ( 11%)	28.49
STR TOTAL	35523	32578-38468 ( 8%)	49	45-53 ( 8%)	19.94

HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION 1=4 LAKE 1=OTTER LAKE  
 DISTRICT 1=15 YEAR 1=97  
 ACREAGE 1723 SAMPLING RATIO 1=734/2772 = 26.4%  
 RATIO OF EFFORT HOURS INTERVIEWED 1= 7084.3/35325 = 17.94%  
 NUMBER OF INTERVIEWS: 1757

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 07/01 TO 07/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2  
 YEAR PERIOD 07/01 TO 07/30 OF SECTION 2  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2

MSC SPECIES CAUGHT:  
 CAP BLB YEB  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	N/HR	95% CI	N HARVEST	95% CI	N/HA	N/ACRE
BCF		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLC	.002	+- .004 (121 %)	391	+- 724 (137 %)	1.33	.54
BLG	.047	.013-.092 ( 73 %)	1944	177-3707 ( 91 %)	6.64	2.67
CCF	.003	.000-.005 ( 66 %)	174	79-267 ( 54 %)	.59	.24
LMB	.008	+- .086 (783 %)	179	107-247 ( 39 %)	.61	.25
MUE		*** NOT RECORDED ***		*** NOT RECORDED ***		
SBH	.000	+- .002 (123 %)	97	+- 206 (109 %)	.34	.14
STB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.245	+- .621 (153 %)	19137	+- 43630 (154 %)	63.40	24.47
MSC	.002	+- .005 (175 %)	73	+- 162 (108 %)	.27	.11
TOT	.303	.084-.532 ( 73 %)	22001	+- 48106 (117 %)	75.17	30.43

SPEC	KG/HR	95% CI	KG HARVEST	95% CI	KG/HA	AUG WT(G)
BCF		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLC	.000	+- .000 (134 %)	64	+- 161 (152 %)	.217	164.2
BLG	.005	+- .010 (111 %)	224	+- 1327 (493 %)	.766	115.3
CCF	.002	.000-.003 ( 67 %)	120	53-187 ( 56 %)	.411	690.6
LMB	.015	+- .177 (106 %)	247	145-347 ( 41 %)	.845	1379.6
MUE		*** NOT RECORDED ***		*** NOT RECORDED ***		
SBH	.002	+- .004 (117 %)	174	+- 366 (110 %)	.595	1765.7
STB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.031	.003-.055 ( 74 %)	2465	767-4160 ( 67 %)	9.424	129.8
MSC	.003	+- .014 (207 %)	115	+- 291 (152 %)	.394	1492.3
TOT	.060	+- .173 (139 %)	3410	1916-4904 ( 44 %)	11.653	155.0

SPEC	LB/HR	95% CI	LB HARVEST	95% CI	LB/ACRE	AUG WT(LB)
BCF		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLC	.000	+- .002 (134 %)	141	+- 356 (152 %)	.176	.3420
BLG	.010	+- .022 (111 %)	474	+- 2730 (493 %)	.633	.2541
CCF	.004	.001-.007 ( 67 %)	265	113-412 ( 56 %)	.367	1.5225
LMB	.034	+- .374 (106 %)	545	320-770 ( 41 %)	.754	3.0414
MUE		*** NOT RECORDED ***		*** NOT RECORDED ***		
SBH	.004	+- .008 (117 %)	384	+- 807 (110 %)	.531	3.8927
STB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.047	.018-.121 ( 74 %)	5434	1676-7172 ( 67 %)	7.516	.2937
MSC	.010	+- .031 (207 %)	254	+- 641 (152 %)	.351	3.2677
TOT	.132	+- .381 (189 %)	7517	4223-10911 ( 44 %)	10.397	.3417

CAUGHT AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION 1=4 LAKE 1=OTTER LAKE  
 DISTRICT 1=15 YEAR 1=97  
 ACREAGE 1723 SAMPLING RATIO 1=734/2772 = 26.4%  
 RATIO OF EFFORT HOURS INTERVIEWED 1= 7084.3/35525 = 19.74%  
 NUMBER OF INTERVIEWS: 1757

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/07 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2  
 YEAR PERIOD 04/07 TO 04/30 OF SECTION 2  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2

MSC SPECIES CAUGHT:  
 CAP BLB YEB  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	N/HR	95% CI	N CAUGHT	95% CI	N/HA	N/ACRE
BCF	.000	+- .000 (278 %)	5	+-17 (278 %)	.02	.00
BLC	.004	.000-.008 ( 84 %)	674	+-1464 (117 %)	2.30	.73
BLG	.111	.041-.132 ( 63 %)	4277	2386-7567 ( 52 %)	17.01	6.39
CCF	.003	.002-.007 ( 52 %)	314	187-441 ( 41 %)	1.07	.44
LMB	.101	.076-.126 ( 25 %)	7231	6174-8267 ( 14 %)	24.71	10.00
MUE	.001	.000-.002 ( 78 %)	102	39-164 ( 62 %)	.35	.14
SBH	.032	.017-.062 ( 57 %)	1927	1464-2531 ( 27 %)	6.33	2.76
STB	.000	+- .001 (313 %)	27	+-113 (318 %)	.02	.04
WHC	.474	.272-.656 ( 38 %)	40147	27162-53136 ( 32 %)	137.22	55.53
MSC	.003	+- .011 (110 %)	218	74-362 ( 66 %)	.74	.30
TOT	.742	.577-.906 ( 22 %)	55693	43212-68173 ( 22 %)	170.34	77.03

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BCF	.000	+- .000 (278 %)	11	+-43 (278 %)	.037	2476.5
BLC	.000	+- .000 (122 %)	86	+-219 (155 %)	.294	127.8
BLG	.003	.002-.014 ( 75 %)	397	+-1570 (299 %)	1.363	80.1
CCF	.002	.001-.004 ( 57 %)	171	75-246 ( 44 %)	.583	543.5
LMB	.067	+- .215 (211 %)	4492	3772-5192 ( 16 %)	15.351	621.1
MUE	.004	.000-.008 ( 95 %)	274	16-533 ( 94 %)	.737	2428.7
SBH	.026	.013-.038 ( 47 %)	1378	943-1953 ( 33 %)	4.777	700.0
STB	.000	+- .000 (318 %)	15	+-62 (319 %)	.050	544.6
WHC	.041	.020-.063 ( 52 %)	3411	1703-4717 ( 44 %)	11.652	35.0
MSC	.007	+- .016 (144 %)	191	21-361 ( 89 %)	.652	874.7
TOT	.158	.076-.220 ( 37 %)	10447	9060-11934 ( 13 %)	35.705	187.6

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BCF	.000	+- .000 (278 %)	25	+-95 (278 %)	.035	5.4576
BLC	.000	+- .002 (122 %)	170	+-484 (155 %)	.263	.2818
BLG	.013	.005-.032 ( 75 %)	877	+-3506 (299 %)	1.216	.1767
CCF	.003	.002-.009 ( 57 %)	376	209-543 ( 44 %)	.520	1.1933
LMB	.152	+- .473 (211 %)	9902	8359-11446 ( 16 %)	13.626	1.3694
MUE	.007	.000-.013 ( 95 %)	605	35-1174 ( 94 %)	.836	5.7518
SBH	.056	.027-.094 ( 47 %)	3082	2077-4084 ( 33 %)	4.262	1.5431
STB	.000	+- .001 (318 %)	32	+-136 (319 %)	.045	1.2006
WHC	.091	.044-.137 ( 52 %)	7521	4176-10845 ( 44 %)	10.402	.1373
MSC	.015	+- .035 (144 %)	420	46-775 ( 89 %)	.581	1.7238
TOT	.347	.212-.485 ( 39 %)	23032	17974-26087 ( 13 %)	31.856	.4136

HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :=4 LAKE :=OTTER LAKE  
 DISTRICT :=15 YEAR :=97  
 ACREAGE :723 SAMPLING RATIO :=734/2772 = 26.4%  
 RATIO OF EFFORT HOURS INTERVIEWED := 7034.3/35525 = 19.94%  
 NUMBER OF INTERVIEWS: 1757

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/03 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 06/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
 YEAR PERIOD 03/15 TO 04/03 OF SECTION 2  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
 YEAR PERIOD 06/16 TO 06/31 OF SECTION 2  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2

MSC SPECIES CAUGHT:  
 LMB WHC BLG SBH BLC CCF MUE STB BCF  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVEST	95% CI	#/HA	#/ACRE
BLB	.002	+-0.005 (175 %)	78	+-162 (108 %)	.27	.11
CAP		*** NOT RECORDED ***		*** NOT RECORDED ***		
YEB		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC	.306	.082-.530 ( 73 %)	21924	+-43043 (119 %)	74.93	30.32
TOT	.308	.084-.532 ( 73 %)	22001	+-43106 (119 %)	75.19	30.43

SPEC	KG/HR	95% CI	KG HARVEST	95% CI	KG/HA	AVG WT(G)
BLB	.005	+-0.014 (207 %)	115	+-291 (152 %)	.394	1482.3
CAP		*** NOT RECORDED ***		*** NOT RECORDED ***		
YEB		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC	.055	+-0.134 (234 %)	3295	1763-4321 ( 46 %)	11.260	150.3
TOT	.060	+-0.173 (189 %)	3410	1916-4904 ( 44 %)	11.653	155.0

SPEC	LB/HR	95% CI	LB HARVEST	95% CI	LB/ACRE	AVG WT(LB)
BLB	.010	+-0.031 (207 %)	254	+-641 (152 %)	.351	3.2679
CAP		*** NOT RECORDED ***		*** NOT RECORDED ***		
YEB		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC	.122	+-0.406 (234 %)	7263	3897-10629 ( 46 %)	10.046	.3313
TOT	.132	+-0.381 (189 %)	7517	4223-10811 ( 44 %)	10.397	.3417

CAUGHT AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :=4 LAKE :=OTTER LAKE  
 DISTRICT :=15 YEAR :=97  
 ACREAGE :723 SAMPLING RATIO :=734/2772 = 26.4%  
 RATIO OF EFFORT HOURS INTERVIEWED := 7034.3/35525 = 19.94%  
 NUMBER OF INTERVIEWS: 1757

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/03 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 06/31 OF SECTION 1  
 YEAR PERIOD 07/01 TO 07/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
 YEAR PERIOD 03/15 TO 04/03 OF SECTION 2  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
 YEAR PERIOD 06/16 TO 06/31 OF SECTION 2  
 YEAR PERIOD 07/01 TO 07/30 OF SECTION 2  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2

MSC SPECIES CAUGHT:  
 LMB WHC BLG SRH BLC CCF MUE STB BCF  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLB	.002	+-.006 (142 %)	93	11-185 ( 87 %)	.33	.14
CAP	.003	+-.008 (209 %)	72	+178 (146 %)	.25	.10
YEB	.000	+-.000 (116 %)	48	+111 (131 %)	.16	.07
MSC	.737	.572-.901 ( 22 %)	55475	42990-67960 ( 23 %)	189.59	76.73
TOT	.742	.577-.906 ( 22 %)	55693	43212-68173 ( 22 %)	190.34	77.03

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLB	.005	+-.015 (180 %)	139	+313 (125 %)	.476	1424.0
CAP	.001	+-.004 (214 %)	32	+81 (149 %)	.111	448.7
YEB	.000	+-.000 (123 %)	19	+42 (120 %)	.065	397.7
MSC	.152	.087-.216 ( 43 %)	10257	8373-11640 ( 13 %)	35.053	134.9
TOT	.158	.096-.220 ( 39 %)	10447	9060-11834 ( 13 %)	35.705	137.6

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BLB	.012	+-.033 (180 %)	307	+690 (125 %)	.424	3.1394
CAP	.003	+-.008 (214 %)	71	+178 (149 %)	.099	.9892
YEB	.000	+-.000 (123 %)	42	+93 (120 %)	.053	.3767
MSC	.334	.192-.476 ( 43 %)	22612	19562-25661 ( 13 %)	31.275	.4076
TOT	.349	.212-.485 ( 39 %)	23032	19974-26087 ( 13 %)	31.856	.4136

TABLE FINAL REPORT FOR OTTER LAKE 1997 DAY CREEL. DATA THRU 10/31.  
DAYTIME DATA FOR LAKE=OTTER LAKE CREEL BEGUN IN YEAR=97

SECTION 1 FROM 03/15 TO 04/08  
SECTION 1 FROM 04/09 TO 04/30  
SECTION 1 FROM 05/01 TO 05/31  
SECTION 1 FROM 06/01 TO 06/15  
SECTION 1 FROM 06/16 TO 08/31  
SECTION 1 FROM 09/01 TO 09/30  
SECTION 1 FROM 10/01 TO 10/31  
SECTION 2 FROM 03/15 TO 04/08  
SECTION 2 FROM 04/09 TO 04/30  
SECTION 2 FROM 05/01 TO 05/31  
SECTION 2 FROM 06/01 TO 06/15  
SECTION 2 FROM 06/16 TO 08/31  
SECTION 2 FROM 09/01 TO 09/30  
SECTION 2 FROM 10/01 TO 10/31

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.3	4 - 4.6 ( 6%)	.3	11.7	207
SHORE	1.4	.4 - 2.3 ( 68%)	1.2	1.8	3
BOAT & SHORE	4.3	4 - 4.6 ( 6%)	.3	11.7	210

94 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
12.1% OF ALL 1737 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	18	16.9 - 19.1 ( 6%)	1	280	1339
SUCCESS RATING 1-10?	6.5	6.3 - 6.7 ( 3%)	1	10	1299

IS CATCH ILLEGAL?

CLERK NOTED 2 OUT OF 1737 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT				PARTY SIZE VS. # INTERVIEWS	
				BOAT	SHORE
ANY	247 ( 14.2%)	WHC	553 ( 31.8%)	1	492
LMB	726 ( 41.8%)	MUE	115 ( 6.6%)	2	1027
CCF	31 ( 1.8%)	BLB	4 ( .2%)	3	117
STB	1 ( .1%)	BLG	17 ( 1%)	4	14
SBH	40 ( 2.3%)	GZS	1 ( .1%)	5	10
CAP	1 ( .1%)	AMB	1 ( .1%)	6	
				7	
				8	
				9	
				10+	

TABLE FINAL REPORT FOR OTTER LAKE 1997 DAY CREEL. DATA THRU 10/31. CONTINUED  
DAYTIME DATA FOR LAKE=OTTER LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#LMB	#ANGLERS	#BLC	#ANGLERS	#BLC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS
0	391	0	401	16		0	399	16	
1	10	1		17		1		17	
2	2	2		18		2	2	18	
3		3	2	19		3	2	19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#LMB	#ANGLERS	#BLC	#ANGLERS	#BLC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS
0	131	0	403	16		0	396	16	
1	49	1		17		1		17	
2	135	2		18		2		18	
3	51	3		19		3		19	
4	31	4		20		4		20	
5	6	5		21		5	7	21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= LMB BLC BLG )



TABLE FINAL REPORT FOR OTTER LAKE 1997 DAY CREEL. DATA THRU 10/31. CONTINUED  
DAYTIME DATA FOR LAKE=OTTER LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SBH	#ANGLERS	#STB	#ANGLERS	#STB	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS
0	403	0	403	16		0	364	16	
1		1		17		1		17	
2		2		18		2	5	18	
3		3		19		3		19	
4		4		20		4	3	20	
5		5		21		5	2	21	
6		6		22		6	4	22	
7		7		23		7	3	23	2
8		8		24		8	3	24	
9		9		25		9		25	
10		10		26		10	3	26	
11		11		27		11	3	27	
12		12		28		12	1	28	
13		13		29		13	5	29	
14		14		30		14		30	
15+		15		31+		15	3	31+	2

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SBH	#ANGLERS	#STB	#ANGLERS	#STB	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS
0	380	0	400	16		0	346	16	
1	7	1		17		1	2	17	
2	10	2	3	18		2	12	18	
3	2	3		19		3	4	19	
4		4		20		4	8	20	1
5	2	5		21		5	7	21	
6		6		22		6	6	22	
7		7		23		7		23	
8		8		24		8	8	24	
9		9		25		9	1	25	
10	2	10		26		10	5	26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13	3	29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= SBH STB WHC )

TABLE FINAL REPORT FOR OTTER LAKE 1997 DAY CREEL. DATA THRU 10/31. CONTINUED  
DAYTIME DATA FOR LAKE=OTTER LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLB	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS
0	399	0	401	16		0	403	16	
1		1	2	17		1		17	
2	2	2		18		2		18	
3		3		19		3		19	
4	2	4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLB	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS
0	403	0	397	16		0	403	16	
1		1	6	17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= BLB CCF YEB )

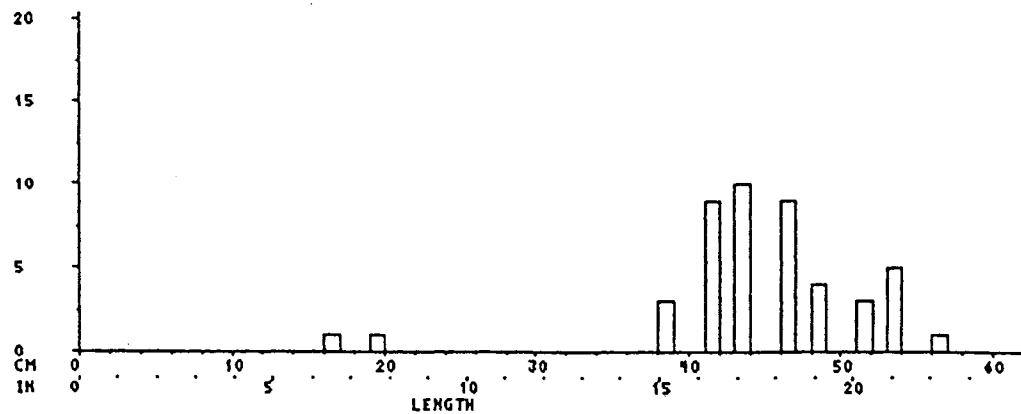


FIGURE 1. OTTER LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 46 INDIVIDUALS

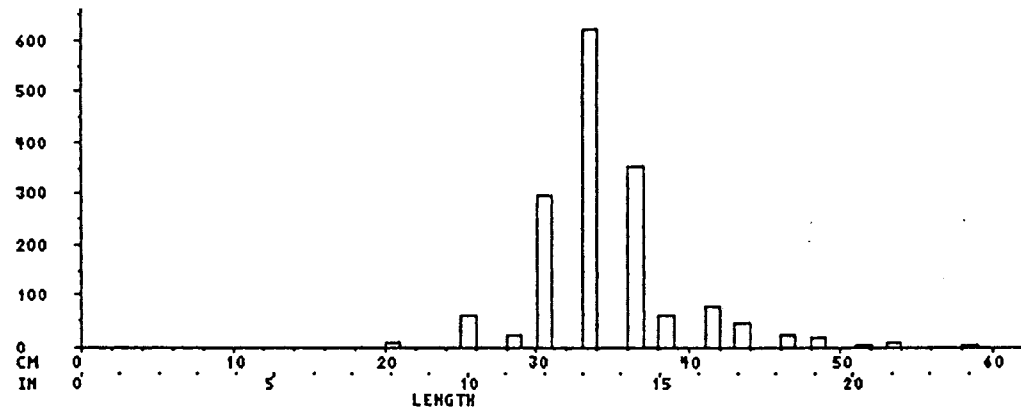


FIGURE 2. OTTER LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1622 INDIVIDUALS

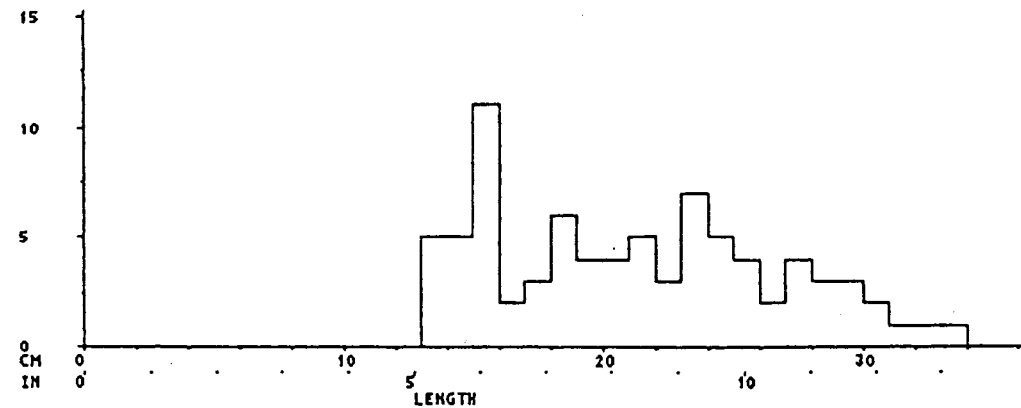


FIGURE 3. OTTER LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 81 INDIVIDUALS

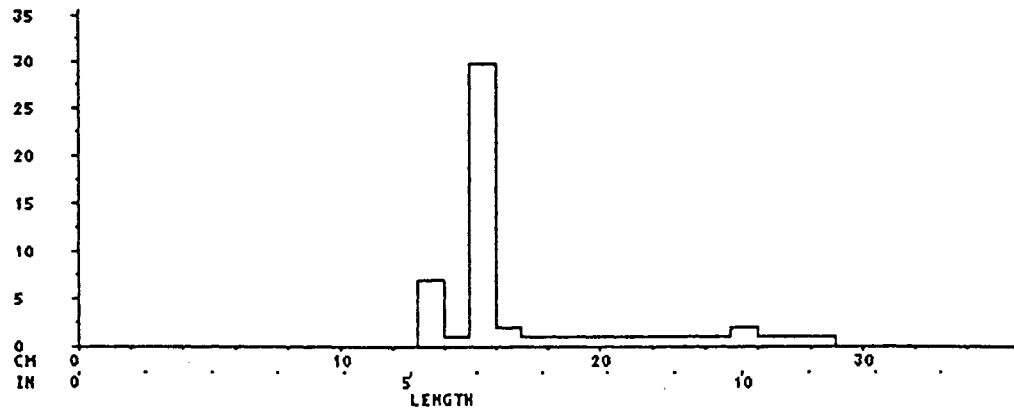


FIGURE 4. OTTER LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 53 INDIVIDUALS

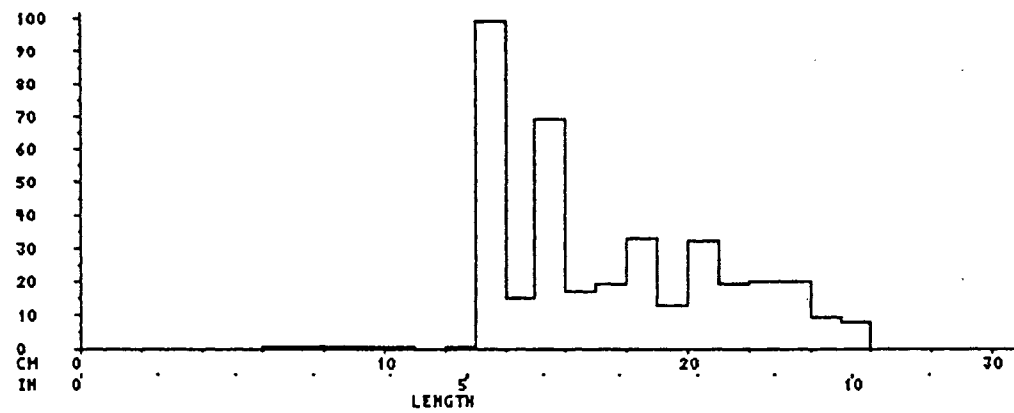


FIGURE 5. OTTER LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 379 INDIVIDUALS

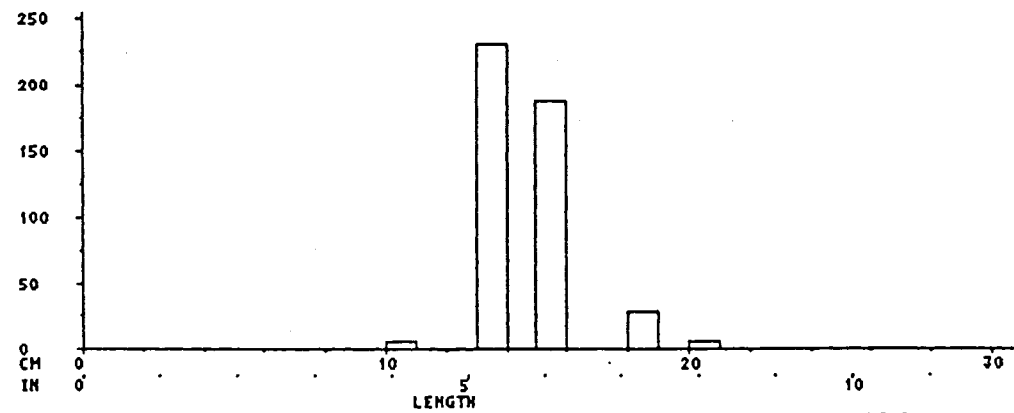
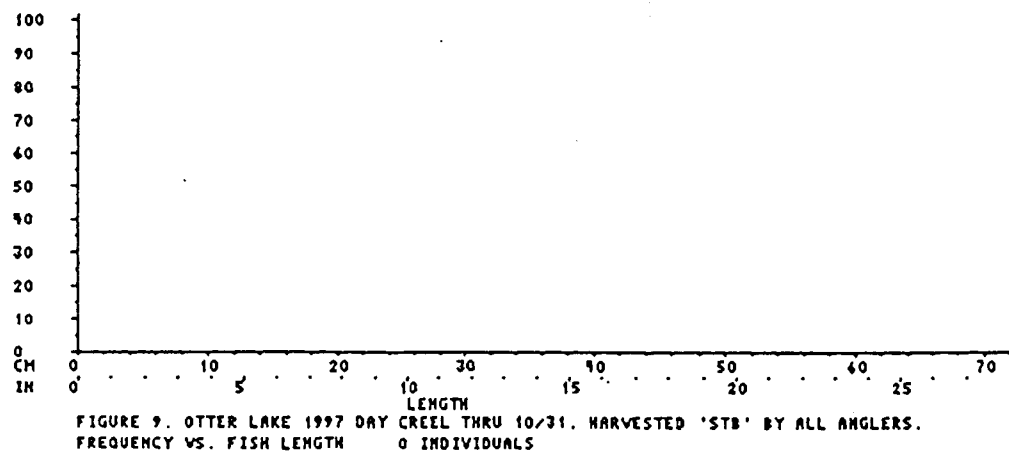
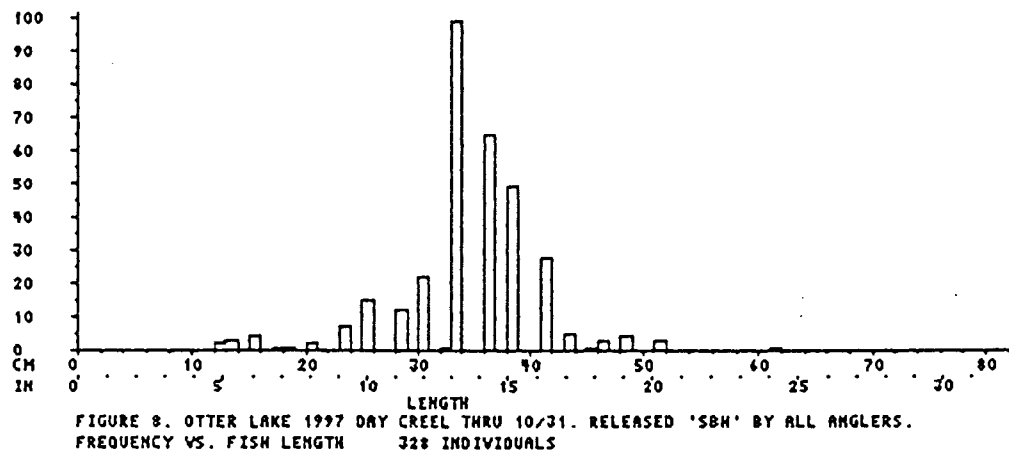
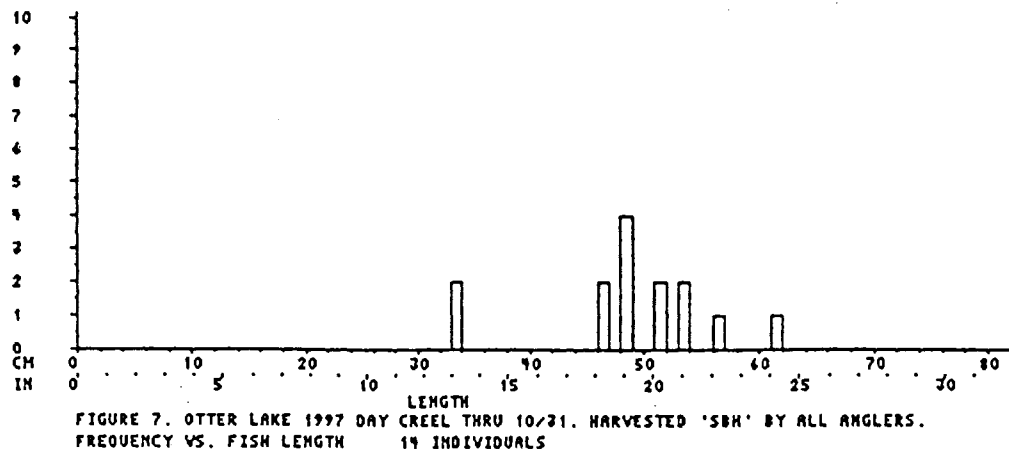


FIGURE 6. OTTER LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 454 INDIVIDUALS



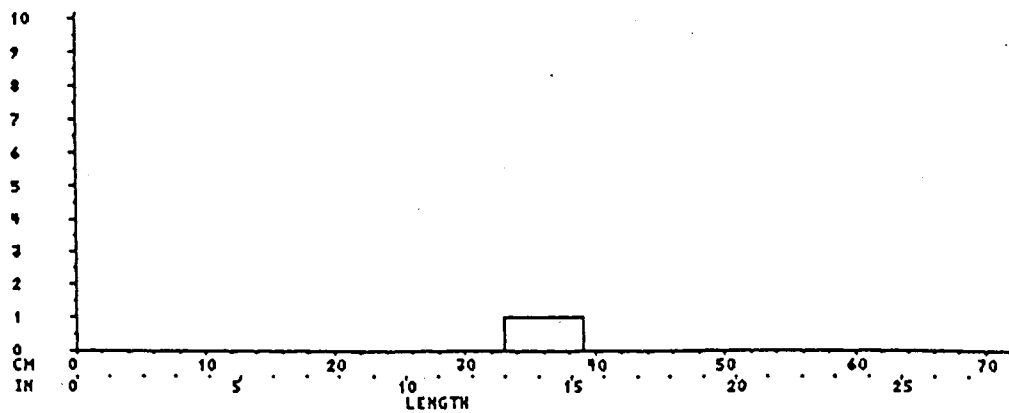


FIGURE 10. OTTER LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'STB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 6 INDIVIDUALS

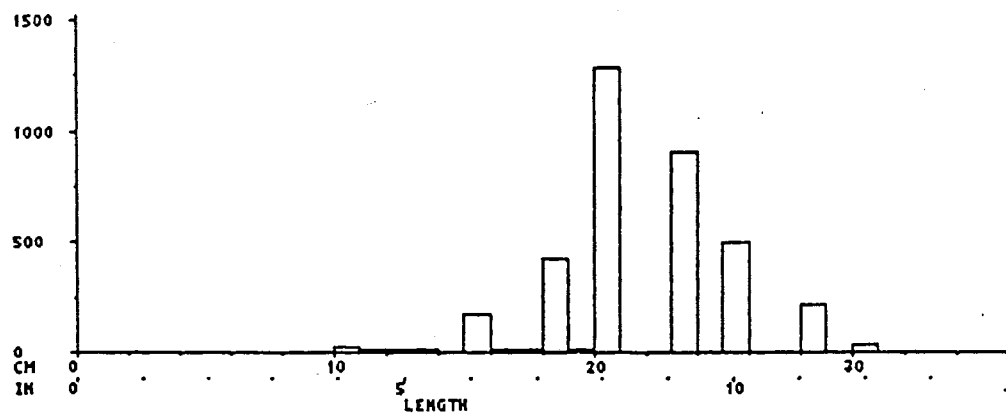


FIGURE 11. OTTER LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'MHC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 3693 INDIVIDUALS

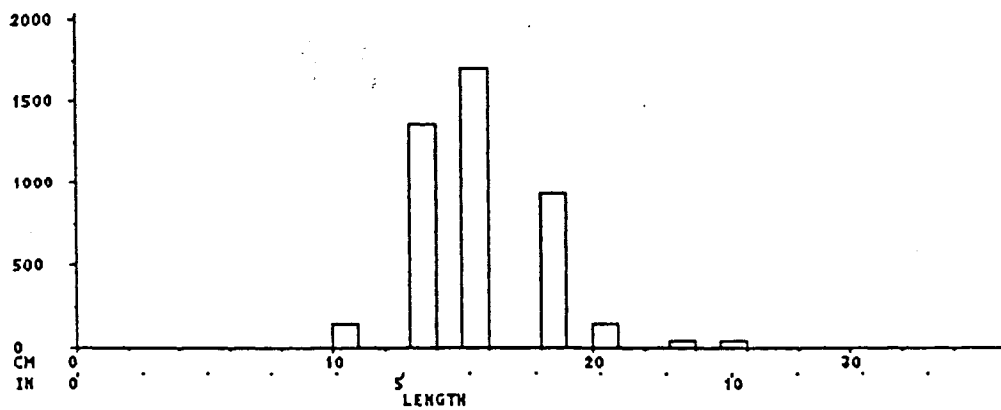
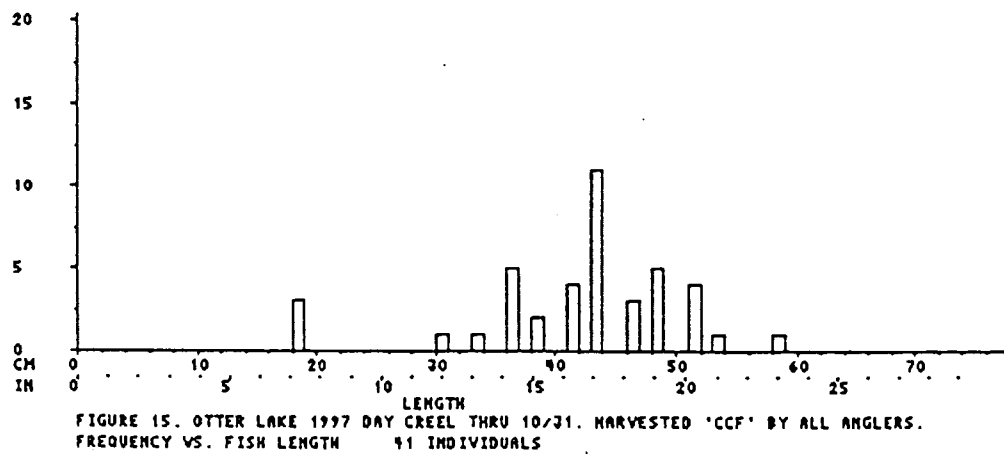
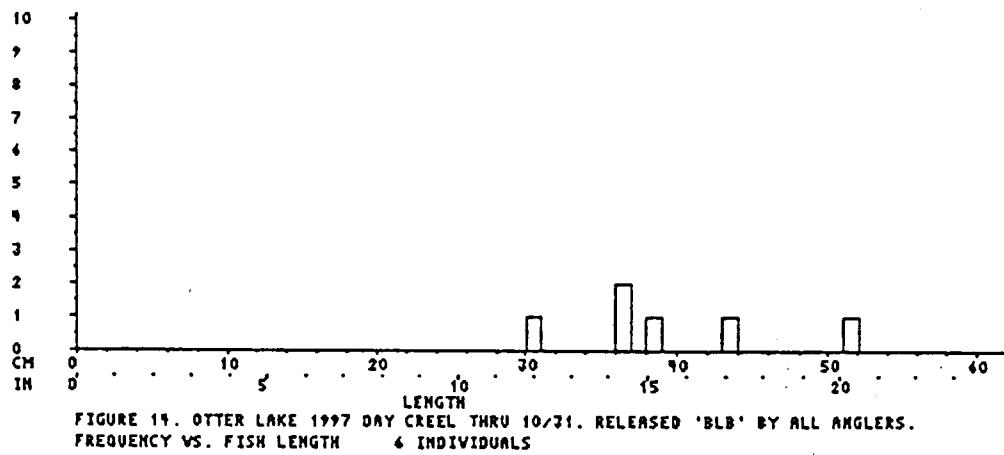
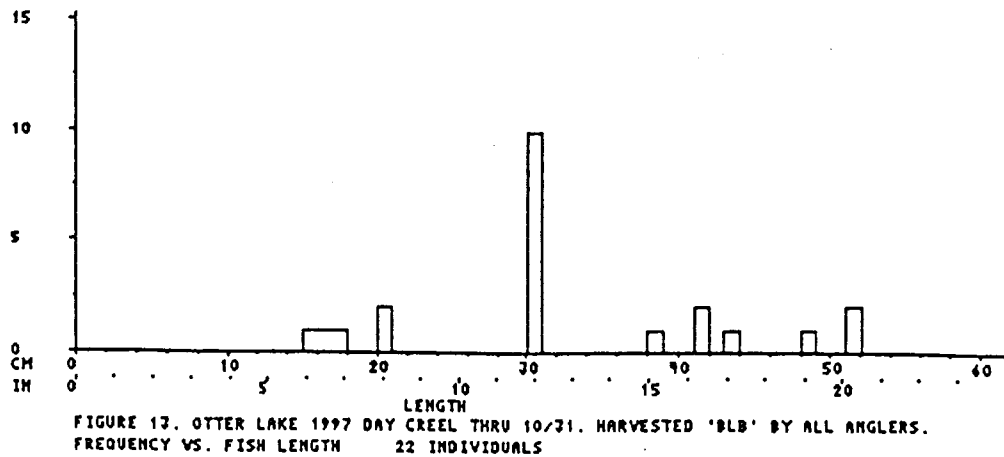
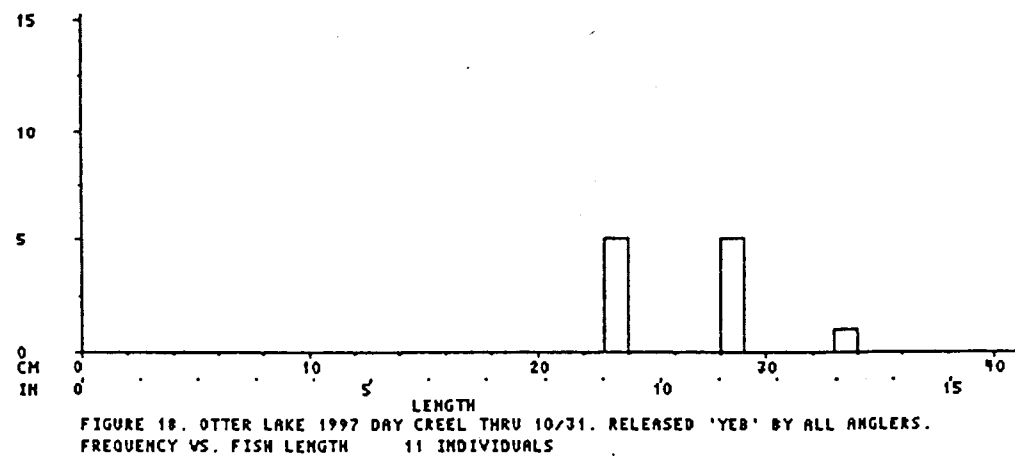
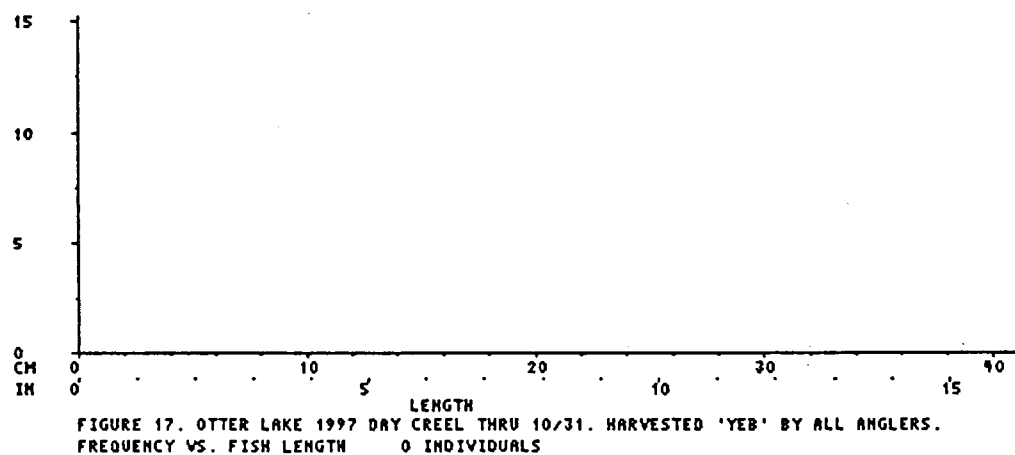
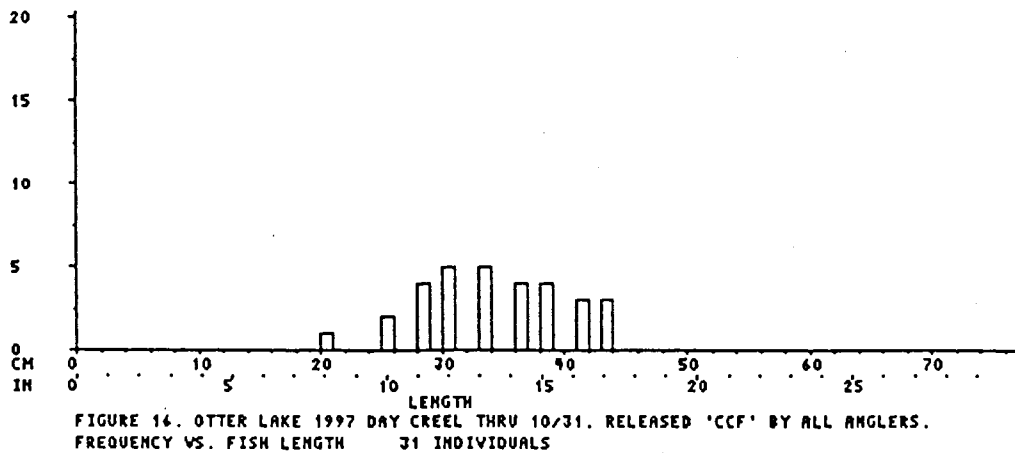


FIGURE 12. OTTER LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'MHC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 4419 INDIVIDUALS







EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=4 LAKE :=RANDOLPH COUNTY LAKE  
 DISTRICT :=17 YEAR :=97  
 ACREAGE :=73 SAMPLING RATIO :=221/600 = 36.8%  
 NUMBER OF INTERVIEWS:1059

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1

	ANGL HRS	95% CONF INTVL	HRS/ ACRE	95% CONF INTVL	% EFF INTVD
BOAT FISHING:					
WEEKDAY	4445	3641-5249 ( 18%)	61	50-72 ( 18%)	19.73
WKND/HOL	5843	4967-6719 ( 15%)	80	68-92 ( 15%)	23.18
STR TOTAL	10288	9118-11458 ( 11%)	141	125-157 ( 11%)	21.69
SHORE FISHING:					
WEEKDAY	3330	2659-4001 ( 20%)	46	36-55 ( 20%)	14.27
WKND/HOL	3225	2533-3917 ( 21%)	44	35-54 ( 21%)	24.69
STR TOTAL	6555	5609-7501 ( 14%)	90	77-103 ( 14%)	19.40
BOAT/SHORE COALESCED:					
WEEKDAY	7627	6466-8788 ( 15%)	104	89-120 ( 15%)	17.73
WKND/HOL	8986	7817-10155 ( 13%)	123	107-139 ( 13%)	23.93
STR TOTAL	16613	14993-18233 ( 10%)	228	205-250 ( 10%)	21.09
BOAT/SHORE STRATIFIED:					
WEEKDAY	7775	6738-8812 ( 13%)	107	92-121 ( 13%)	17.39
WKND/HOL	9070	7976-10164 ( 12%)	124	109-139 ( 12%)	23.71
STR TOTAL	16845	15351-18339 ( 9%)	231	210-251 ( 9%)	20.79

HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :4 LAKE :RANDOLPH COUNTY LAKE  
 DISTRICT :17 YEAR :97  
 ACREAGE :73 SAMPLING RATIO :442/1200 = 36.8%  
 RATIO OF EFFORT HOURS INTERVIEWED : 3502.8/16848.7 = 20.78%  
 NUMBER OF INTERVIEWS: 1058

COMBINED ACROSS STRATA:

YEAR PERIOD 03/01 TO 04/30 OF SECTION 1

YEAR PERIOD 05/01 TO 05/31 OF SECTION 1

YEAR PERIOD 06/01 TO 06/15 OF SECTION 1

YEAR PERIOD 06/16 TO 08/31 OF SECTION 1 COALESCED WITH

YEAR PERIOD 07/01 TO 07/30 OF SECTION 1

MSC SPECIES CAUGHT:

WHC YEB WAM BLB

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	N/HR	95% CI	N HARVEST	95% CI	N/HA	N/ACRE
BLC	.010	+- .036 (267 %)	200	+- 622 (211 %)	6.78	2.75
BLG	.209	.126-.291 ( 40 %)	4275	3422-5137 ( 20 %)	145.37	59.33
CCF	.078	.058-.138 ( 41 %)	1534	1043-2034 ( 33 %)	52.93	21.42
GSF	.001	+- .003 (119 %)	52	+- 115 (121 %)	1.73	.72
LMB	.005	.002-.007 ( 61 %)	131	79-243 ( 51 %)	5.45	2.21
RBT	.011	+- .022 (103 %)	230	74-385 ( 63 %)	7.77	3.15
RSF	.067	.048-.087 ( 30 %)	1932	1334-2431 ( 29 %)	63.72	25.77
SMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAE	.003	.000-.005 ( 79 %)	47	6-92 ( 87 %)	1.37	.63
MSC	.025	.007-.043 ( 71 %)	607	267-950 ( 56 %)	20.62	8.35
TOT	.431	.336-.526 ( 22 %)	9042	7565-10519 ( 16 %)	306.06	123.86

SPEC	KG/HR	95% CI	KG HARVEST	95% CI	KG/HA	AUG WT(G)
BLC	.003	+- .014 (325 %)	90	+- 293 (232 %)	3.035	447.9
BLG	.024	.014-.034 ( 42 %)	493	389-604 ( 22 %)	16.793	115.5
CCF	.052	.029-.076 ( 43 %)	843	471-1215 ( 44 %)	28.530	539.1
GSF	.000	+- .000 (125 %)	4	+- 10 (130 %)	.151	85.5
LMB	.004	.001-.007 ( 63 %)	133	53-214 ( 60 %)	4.517	827.1
RBT	.005	+- .011 (120 %)	91	13-167 ( 92 %)	3.070	377.9
RSF	.012	.009-.016 ( 30 %)	355	246-465 ( 31 %)	12.027	138.8
SMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAE	.002	.000-.003 ( 93 %)	34	+- 72 (111 %)	1.147	683.1
MSC	.005	.000-.010 ( 83 %)	113	47-185 ( 60 %)	3.726	190.4
TOT	.108	.090-.135 ( 25 %)	2163	1673-2653 ( 23 %)	73.220	237.2

SPEC	LB/HR	95% CI	LB HARVEST	95% CI	LB/ACRE	AUG WT(LB)
BLC	.007	+- .032 (325 %)	198	+- 657 (232 %)	2.703	.9872
BLG	.052	.030-.075 ( 42 %)	1074	856-1331 ( 22 %)	14.792	.2547
CCF	.114	.062-.167 ( 43 %)	1858	1038-2677 ( 44 %)	25.455	1.1894
GSF	.000	+- .000 (125 %)	10	+- 23 (130 %)	.134	.1895
LMB	.010	.003-.013 ( 68 %)	274	117-471 ( 60 %)	4.030	1.3273
RBT	.011	+- .023 (120 %)	201	35-367 ( 82 %)	2.757	.8767
RSF	.027	.017-.035 ( 30 %)	733	541-1025 ( 31 %)	10.732	.4162
SMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAE	.004	.000-.007 ( 93 %)	75	+- 153 (111 %)	1.025	1.5170
MSC	.012	.002-.021 ( 83 %)	256	103-408 ( 60 %)	3.503	.4173
TOT	.237	.177-.298 ( 25 %)	4767	3683-5850 ( 23 %)	65.327	.5274

HARVESTED AND CPUE TABLE            \*\*\* DAY \*\*\*  
 REGION :=4                      LAKE :=RANDOLPH COUNTY LAKE  
 DISTRICT :=17                    YEAR :=97  
 ACREAGE :73                      SAMPLING RATIO :=514/1386 = 37%  
 RATIO OF EFFORT HOURS INTERVIEWED := 4200.6/19116.1 = 21.97%  
 NUMBER OF INTERVIEWS: 1236

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:  
 LMB WAE BLG RSF BLC CCF RBT GSF SMB  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAM	.000	+- .001 (102 %)	37	+-79 (111 %)	1.27	.51
WHC	.032	.012-.052 ( 61 %)	685	340-1030 ( 50 %)	23.18	9.38
YEB	.000	+- .002 (118 %)	18	+-40 (120 %)	.61	.25
MSC	.441	.354-.528 ( 20 %)	10180	8627-11733 ( 15 %)	344.59	139.45
TOT	.474	.385-.564 ( 19 %)	10920	9295-12546 ( 15 %)	369.64	149.59

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT (G)
BLB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAM	.000	+- .000 (104 %)	5	+-10 (110 %)	.168	132.5
WHC	.006	.002-.010 ( 68 %)	124	54-193 ( 56 %)	4.184	180.5
YEB	.000	+- .000 (139 %)	9	+-23 (146 %)	.314	515.4
MSC	.126	.096-.156 ( 24 %)	2796	2208-3385 ( 21 %)	94.650	274.7
TOT	.133	.102-.163 ( 23 %)	2934	2332-3536 ( 21 %)	99.316	268.7

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT (LB)
BLB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAM	.000	+- .000 (104 %)	11	+-23 (110 %)	.150	.2921
WHC	.013	.004-.022 ( 68 %)	273	119-426 ( 56 %)	3.733	.3979
YEB	.000	+- .002 (139 %)	20	+-50 (146 %)	.280	1.1363
MSC	.278	.212-.344 ( 24 %)	6165	4867-7462 ( 21 %)	84.447	.6056
TOT	.292	.226-.359 ( 23 %)	6469	5141-7796 ( 21 %)	88.610	.5923

## CAUGHT AND CPUE TABLE

\*\*\* DAY \*\*\*

REGION : 4

LAKE : RANDOLPH COUNTY LAKE

DISTRICT : 17

YEAR : 97

ACREAGE : 173

SAMPLING RATIO : 442/1200 = 36.8%

RATIO OF EFFORT HOURS INTERVIEWED : 3502.8/16843.7 = 20.73%

NUMBER OF INTERVIEWS: 1058

## COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/03 OF SECTION 1

YEAR PERIOD 04/09 TO 04/30 OF SECTION 1

YEAR PERIOD 05/01 TO 05/31 OF SECTION 1

YEAR PERIOD 06/01 TO 06/15 OF SECTION 1

YEAR PERIOD 06/16 TO 08/31 OF SECTION 1 COALESCED WITH

YEAR PERIOD 09/01 TO 09/30 OF SECTION 1

## MSC SPECIES CAUGHT:

WMC YEB WAM BLB

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: CAUGHT

SPEC	M/HR	95% CI	# CAUGHT	95% CI	M/HA	M/ACRE
BLC	.020	.000-.040 ( 96 %)	373	+-863 (117 %)	13.31	5.39
BLG	.500	.353-.648 ( 29 %)	8772	7062-10523 ( 20 %)	277.61	120.44
CCF	.136	.088-.184 ( 35 %)	2294	1613-2974 ( 30 %)	77.64	31.42
GSF	.004	.000-.003 ( 92 %)	116	+-251 (117 %)	3.91	1.57
LMB	.257	.083-.435 ( 68 %)	3337	1340-4835 ( 45 %)	112.77	45.72
RBT	.013	.002-.034 ( 87 %)	303	103-503 ( 66 %)	10.25	4.15
RSF	.084	.030-.107 ( 28 %)	2281	1650-2912 ( 23 %)	77.22	31.25
SMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAE	.008	.003-.012 ( 54 %)	172	79-266 ( 54 %)	5.83	2.36
MSC	.041	.021-.061 ( 47 %)	904	529-1279 ( 42 %)	30.57	12.38
TOT	1.071	.838-1.304 ( 22 %)	18593	15564-21621 ( 16 %)	627.34	254.67

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLC	.004	+-0.011 (182 %)	101	+-318 (215 %)	3.416	256.7
BLG	.037	.025-.048 ( 31 %)	678	542-814 ( 20 %)	22.944	77.1
CCF	.056	.032-.081 ( 44 %)	744	556-1331 ( 41 %)	31.738	411.4
GSF	.000	.000-.000 ( 88 %)	8	+-16 (115 %)	.260	66.4
LMB	.107	.021-.193 ( 81 %)	1344	613-2075 ( 54 %)	45.477	402.9
RBT	.006	+-0.014 (116 %)	107	15-203 ( 86 %)	3.687	357.6
RSF	.013	.007-.017 ( 29 %)	380	267-492 ( 30 %)	12.857	166.5
SMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAE	.002	.000-.004 ( 77 %)	53	8-97 ( 85 %)	1.778	304.7
MSC	.006	.002-.011 ( 68 %)	132	63-202 ( 52 %)	4.483	146.6
TOT	.233	.143-.322 ( 37 %)	3748	2957-4638 ( 24 %)	126.963	201.6

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BLC	.008	+-0.024 (182 %)	223	+-701 (215 %)	3.043	.5658
BLG	.091	.056-.106 ( 31 %)	1474	1175-1774 ( 20 %)	20.471	.1700
CCF	.124	.070-.173 ( 44 %)	2080	1225-2935 ( 41 %)	23.475	.7067
GSF	.000	.000-.000 ( 88 %)	17	+-36 (115 %)	.232	.1464
LMB	.236	.046-.426 ( 81 %)	2763	1352-4574 ( 54 %)	40.574	.9877
RBT	.014	+-0.030 (116 %)	240	34-447 ( 86 %)	3.290	.7927
RSF	.029	.021-.038 ( 27 %)	837	587-1086 ( 30 %)	11.471	.3671
SMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAE	.005	.001-.007 ( 77 %)	116	18-214 ( 95 %)	1.586	.6713
MSC	.014	.004-.023 ( 68 %)	292	137-445 ( 52 %)	4.000	.3231
TOT	.513	.315-.710 ( 37 %)	8263	6300-10226 ( 24 %)	113.197	.4444

CAUGHT AND CPUE TABLE                    \*\*\* DAY \*\*\*  
 REGION    :=4                    LAKE :=RANDOLPH COUNTY LAKE  
 DISTRICT :=17                   YEAR :=97  
 ACREAGE   :73                   SAMPLING RATIO :=514/1386 = 37%  
 RATIO OF EFFORT HOURS INTERVIEWED := 4200.6/19116.1 = 21.97%  
 NUMBER OF INTERVIEWS: 1236

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:  
 LMB WAE BLG RSF RLC CCF RBT GSF SMB  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLB	.000	+- .000 (257 %)	4	+-15 (257 %)	.14	.06
WAM	.002	+- .006 (214 %)	80	+-195 (145 %)	2.69	1.09
WHC	.067	.036-.098 ( 47 %)	1176	765-1588 ( 35 %)	39.82	16.12
YEB	.002	+- .005 (128 %)	45	3-87 ( 94 %)	1.51	.61
MSC	1.044	.839-1.249 ( 20 %)	20328	17254-23401 ( 15 %)	688.06	278.46
TOT	1.116	.907-1.325 ( 19 %)	21632	18496-24769 ( 14 %)	732.23	296.33

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAM	.000	.000-.000 ( 94 %)	6	-12 ( 96 %)	.199	73.9
WHC	.009	.004-.014 ( 54 %)	170	98-243 ( 43 %)	5.760	144.6
YEB	.000	+- .002 (116 %)	14	+-29 (108 %)	.480	318.2
MSC	.245	.165-.325 ( 33 %)	4520	3572-5469 ( 21 %)	153.013	222.4
TOT	.255	.175-.335 ( 31 %)	4711	3753-5669 ( 20 %)	159.452	217.8

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BLB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAM	.000	.000-.000 ( 94 %)	13	-25 ( 96 %)	.178	.1629
WHC	.021	.010-.032 ( 54 %)	375	215-535 ( 43 %)	5.139	.3189
YEB	.002	+- .003 (116 %)	31	+-65 (108 %)	.428	.7014
MSC	.540	.364-.716 ( 33 %)	9966	7874-12058 ( 21 %)	136.518	.4903
TOT	.563	.386-.739 ( 31 %)	10385	8274-12497 ( 20 %)	142.263	.4801

TABLE RANDOLPH COUNTY 1997 DAY CREEL FINAL REPORT  
DAYTIME DATA FOR LAKE=RANDOLPH COUNTY LAKE CREEL BEGUN IN YEAR=97

SECTION 1 FROM 03/15 TO 04/03  
SECTION 1 FROM 04/09 TO 04/30  
SECTION 1 FROM 05/01 TO 05/31  
SECTION 1 FROM 06/01 TO 06/15  
SECTION 1 FROM 06/16 TO 08/31  
SECTION 1 FROM 09/01 TO 09/30  
SECTION 1 FROM 10/01 TO 10/31

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	3.9	3.6 - 4.2 ( 7%)	.3	11.8	190
SHORE	1.9	1.6 - 2.2 ( 15%)	.3	9.8	101
BOAT & SHORE	3.2	3 - 3.5 ( 7%)	.3	11.8	291

128 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
25.9% OF ALL 1122 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	26.7	25 - 28.5 ( 6%)	1	400	975
SUCCESS RATING 1-10?	3.5	3.4 - 3.7 ( 5%)	1	10	967

IS CATCH ILLEGAL?

CLERK NOTED 4 OUT OF 1122 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT			PARTY SIZE VS. # INTERVIEWS	
			BOAT	SHORE
ANY	430 ( 38.3%)	WHC 67 ( 6%)	1 130	1 279
RBT	95 ( 8.5%)	LMB 135 ( 12%)	2 303	2 211
BLG	282 ( 25.1%)	CCF 83 ( 7.4%)	3 69	3 43
WAE	5 ( .4%)	SUN 6 ( .5%)	4 18	4 31
BLC	10 ( .9%)	CRP 1 ( .1%)	5 8	5 16
RSF	8 ( .7%)		6 1	6 6
			7	7 4
			8	8 1
			9	9
			10+	10+ 2

TABLE FINAL REPORT FOR RANDOLPH COUNTY LAKE 1997 DAY CREEL. DATA THRU 10/31. CONT'D  
 DAYTIME DATA FOR LAKE=RANDOLPH COUNTY LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES	ALL SIZES	ALL SIZES	ALL SIZES	ALL SIZES
#LMB #ANGLERS	#BLC #ANGLERS	#BLC #ANGLERS	#BLG #ANGLERS	#BLG #ANGLERS
0 535	0 542	16	0 430	16
1 11	1 2	17	1 17	17
2	2	18	2 20	18
3	3	19	3 17	19
4	4	20	4 13	20 1
5	5 2	21	5 17	21
6	6	22	6 7	22
7	7	23	7 5	23
8	8	24	8 7	24
9	9	25	9 2	25
10	10	26	10 4	26
11	11	27	11 2	27
12	12	28	12	28
13	13	29	13	29
14	14	30	14 2	30
15+	15	31+	15 1	31+ 1

RELEASED FISH:

ALL SIZES	ALL SIZES	ALL SIZES	ALL SIZES	ALL SIZES
#LMB #ANGLERS	#BLC #ANGLERS	#BLC #ANGLERS	#BLG #ANGLERS	#BLG #ANGLERS
0 430	0 540	16	0 392	16
1 58	1 6	17	1 38	17
2 24	2	18	2 46	18
3 9	3	19	3 22	19
4 11	4	20	4 15	20
5 3	5	21	5 4	21
6 5	6	22	6 9	22
7 1	7	23	7	23 2
8	8	24	8 2	24
9 1	9	25	9	25 1
10	10	26	10 13	26
11	11	27	11	27 1
12 1	12	28	12	28
13 1	13	29	13	29
14 1	14	30	14	30 1
15+ 1	15	31+	15	31+

(TAXA FOR L.FREQS.= LMB BLC BLG )

TABLE FINAL REPORT FOR RANDOLPH COUNTY LAKE 1997 DAY CREEL. DATA THRU 10/31. CONTINU  
DAYTIME DATA FOR LAKE=RANDOLPH COUNTY LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#RSF	#ANGLERS	#RBT	#ANGLERS	#RBT	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS
0	439	0	436	16		0	516	16	
1	18	1	12	17		1	4	17	
2	6	2	6	18		2	8	18	
3	13	3	6	19		3	7	19	
4	4	4	5	20		4		20	1
5	6	5	28	21		5	3	21	
6	1	6		22		6		22	
7	1	7		23		7	3	23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13	2	13		29		13		29	
14		14		30		14	1	30	
15+	3	15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#RSF	#ANGLERS	#RBT	#ANGLERS	#RBT	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS
0	516	0	537	16		0	531	16	
1	11	1	6	17		1	4	17	
2	1	2		18		2	2	18	
3	6	3		19		3	2	19	
4	1	4		20		4	3	20	
5	4	5		21		5	1	21	
6		6		22		6		22	
7		7		23		7		23	
8	2	8		24		8		24	
9		9		25		9		25	
10	2	10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= RSF RBT WHC )



TABLE RANDOLPH COUNTY 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=RANDOLPH COUNTY LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLB	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS
0	543	0	473	16		0	543	16	
1		1	32	17		1		17	
2		2	2	18		2		18	
3		3	14	19		3		19	
4		4	6	20		4		20	
5		5	8	21		5		21	
6		6	6	22		6		22	
7		7		23		7		23	
8		8	2	24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLB	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS
0	543	0	494	16		0	540	16	
1		1	25	17		1	3	17	
2		2	11	18		2		18	
3		3	2	19		3		19	
4		4	8	20		4		20	
5		5		21		5		21	
6		6	3	22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQ3.= BLB CCF YEB )

TABLE RANDOLPH COUNTY 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=RANDOLPH COUNTY LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SMB	#ANGLERS	#WAE	#ANGLERS	#WAE	#ANGLERS	#WAM	#ANGLERS	#WAM	#ANGLERS
0	543	0	538	16		0	534	16	
1		1	5	17		1	9	17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SMB	#ANGLERS	#WAE	#ANGLERS	#WAE	#ANGLERS	#WAM	#ANGLERS	#WAM	#ANGLERS
0	542	0	535	16		0	543	16	
1		1	8	17		1		17	
2	1	2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= SMB WAE WAM )

TABLE RANDOLPH COUNTY 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=RANDOLPH COUNTY LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#GSF	#ANGLERS	#	#ANGLERS	#	#ANGLERS	#	#ANGLERS	#	#ANGLERS
0	538	0	543	16		0	543	16	
1	5	1		17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#GSF	#ANGLERS	#	#ANGLERS	#	#ANGLERS	#	#ANGLERS	#	#ANGLERS
0	541	0	543	16		0	543	16	
1	2	1		17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= GSF )

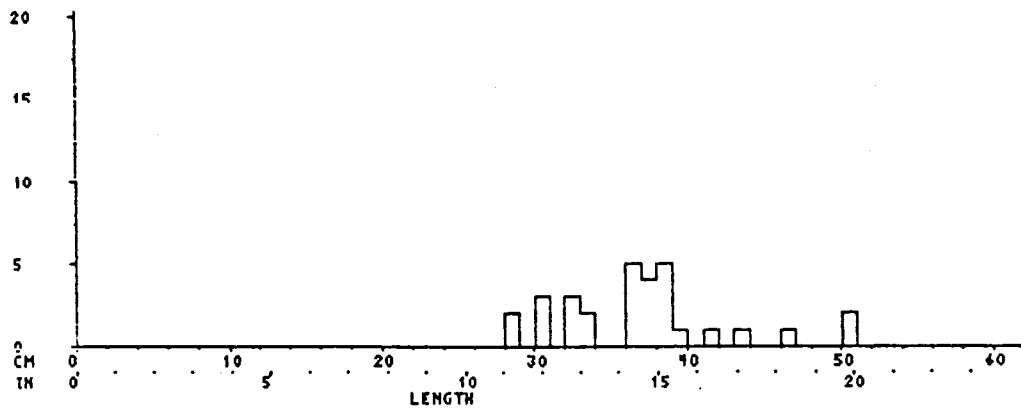


FIGURE 1. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'LMB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 30 INDIVIDUALS

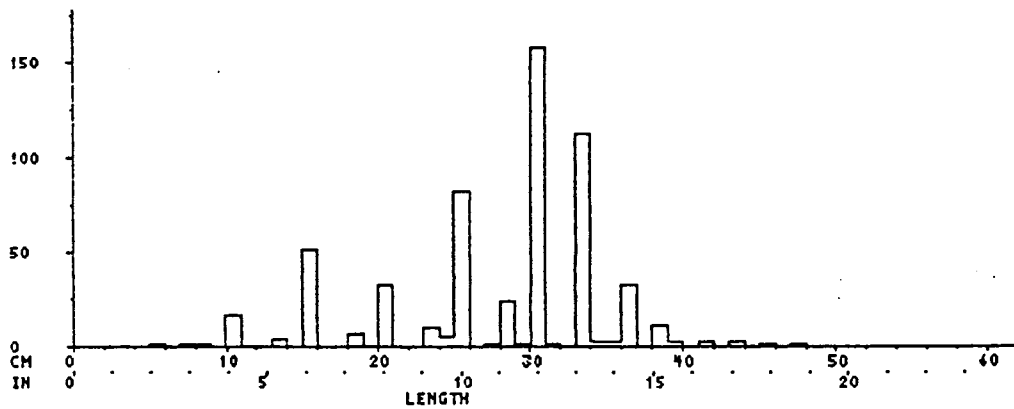


FIGURE 2. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'LMB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 561 INDIVIDUALS

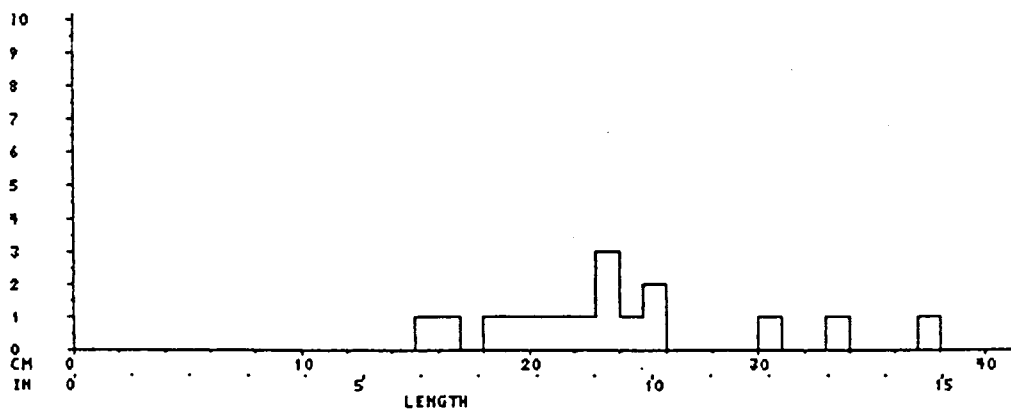


FIGURE 3. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLC' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 16 INDIVIDUALS

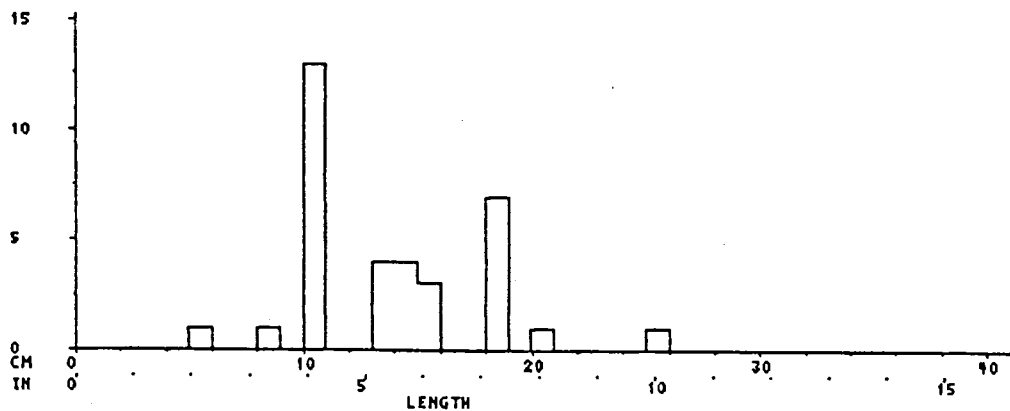


FIGURE 4. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLG' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 35 INDIVIDUALS

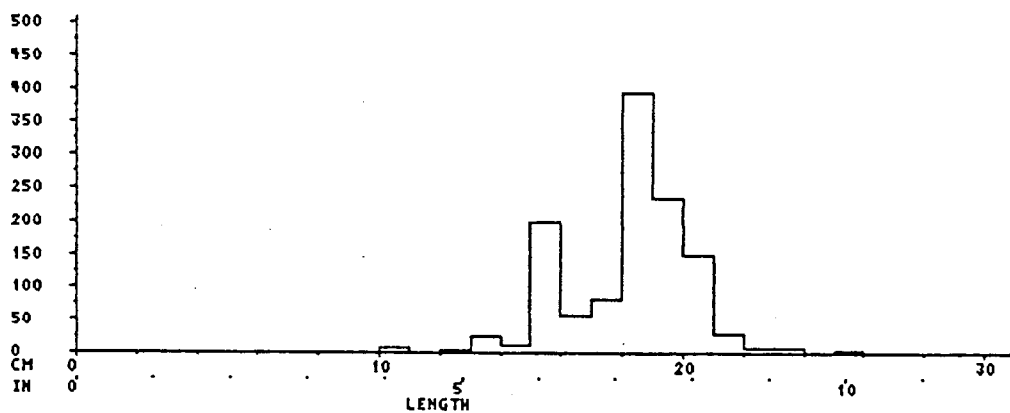


FIGURE 5. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLG' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 1219 INDIVIDUALS

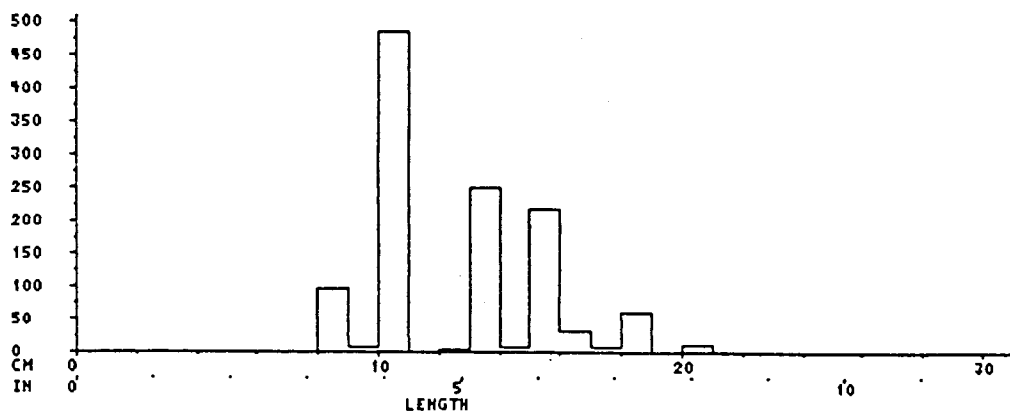


FIGURE 6. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLG' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 1178 INDIVIDUALS

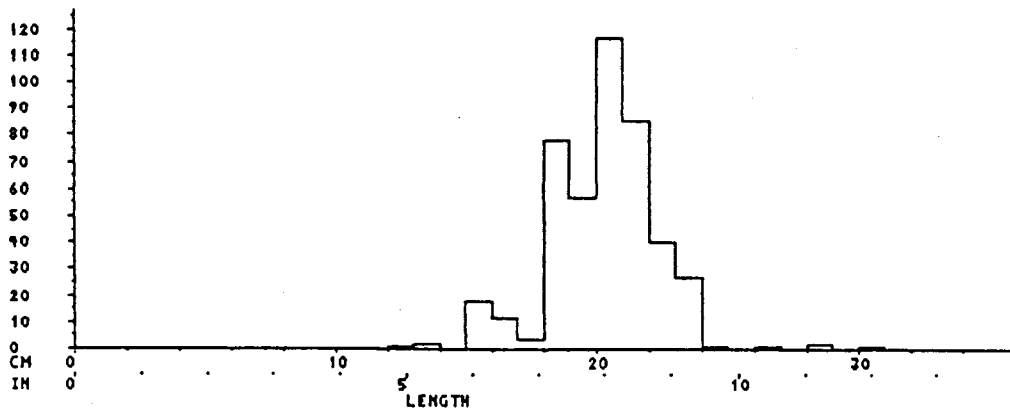


FIGURE 7. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'RSF' BY ALL ANGLERS  
FREQUENCY VS. FISH LENGTH 448 INDIVIDUALS

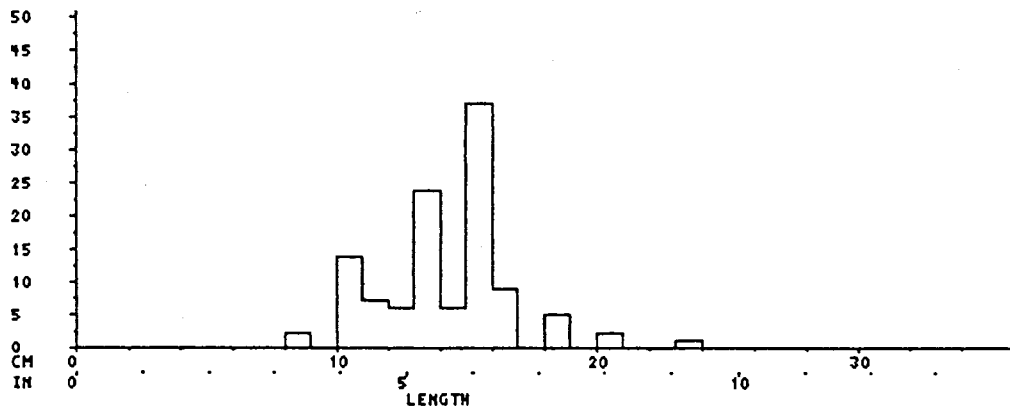


FIGURE 8. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'RSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 113 INDIVIDUALS

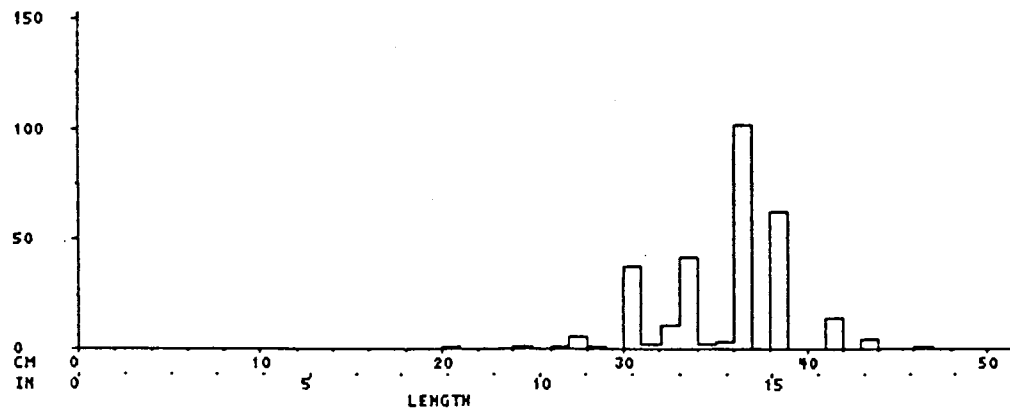


FIGURE 9. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'RBT' BY ALL ANGLERS  
FREQUENCY VS. FISH LENGTH 289 INDIVIDUALS

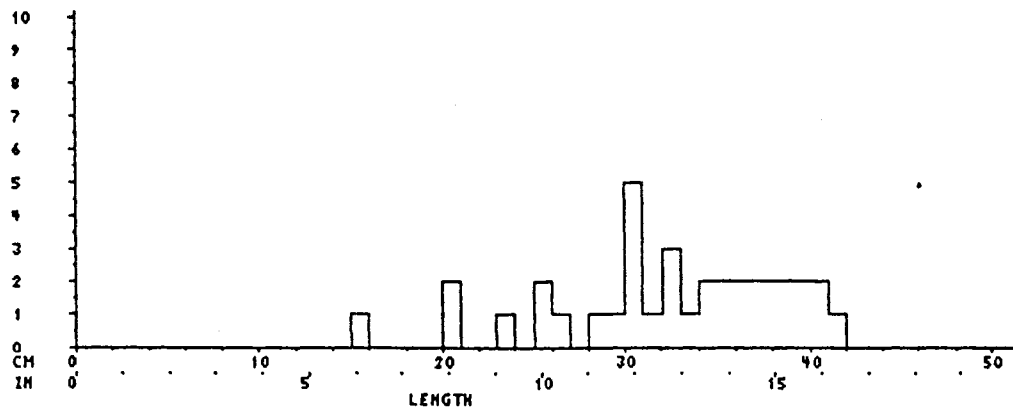


FIGURE 10. RANDOLPH COUNTY LAKE DAY CREEL THRU 10/31. RELEASED 'RBT' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 34 INDIVIDUALS

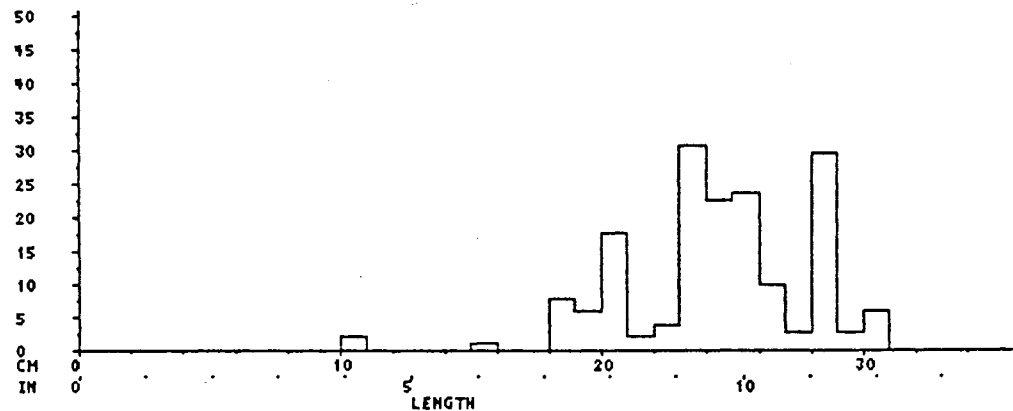


FIGURE 11. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'HMC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 171 INDIVIDUALS

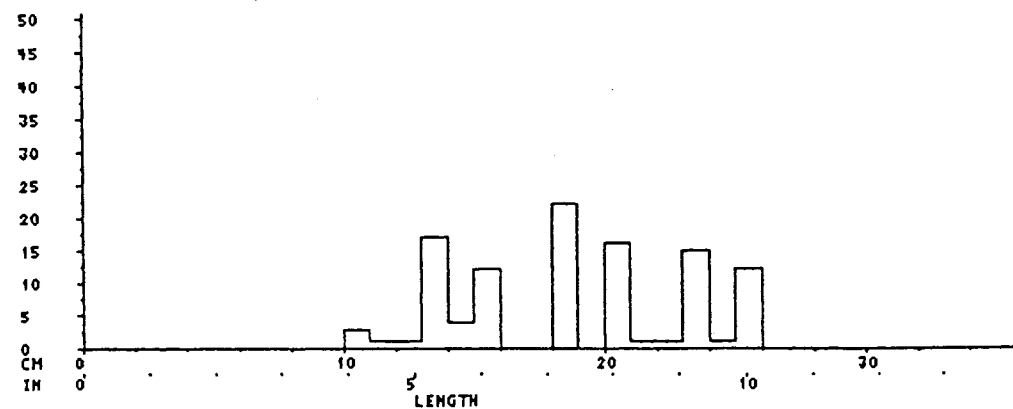


FIGURE 12. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'HMC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 104 INDIVIDUALS

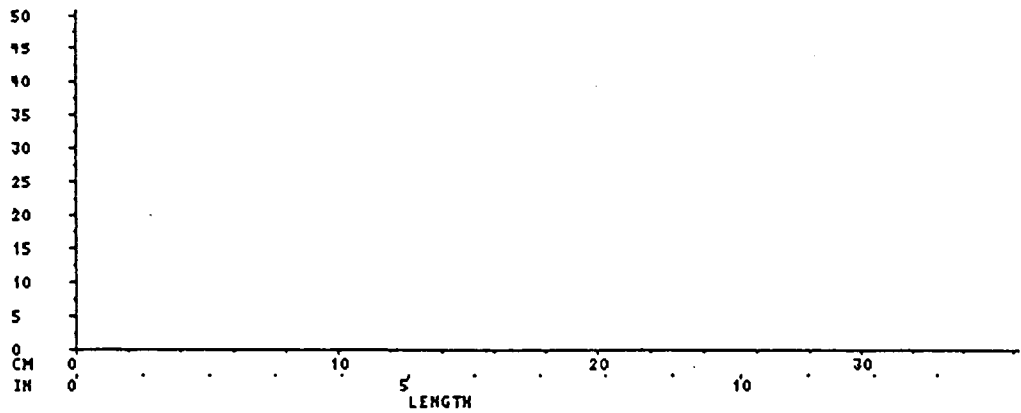


FIGURE 13. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLB' BY ALL ANGLER  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

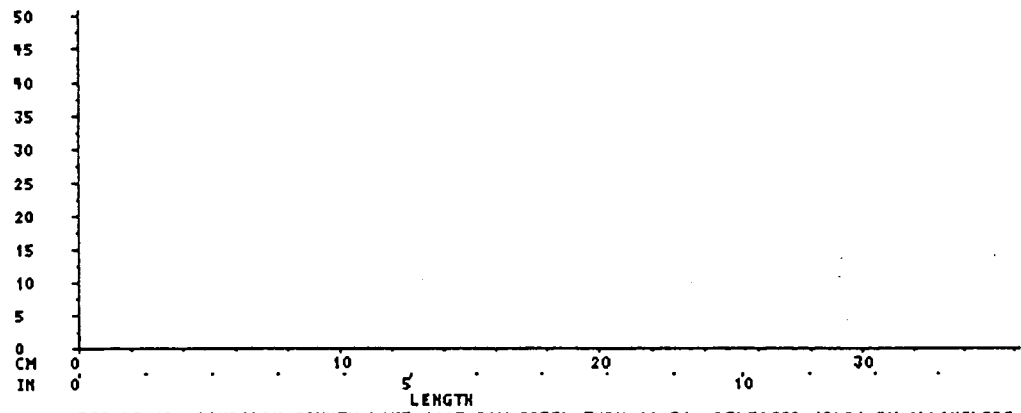


FIGURE 14. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

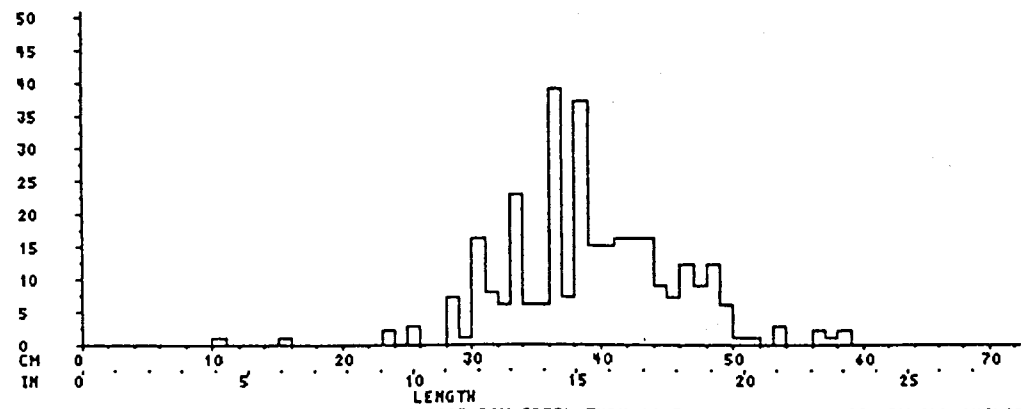


FIGURE 15. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'CCF' BY ALL ANGLER  
FREQUENCY VS. FISH LENGTH 304 INDIVIDUALS



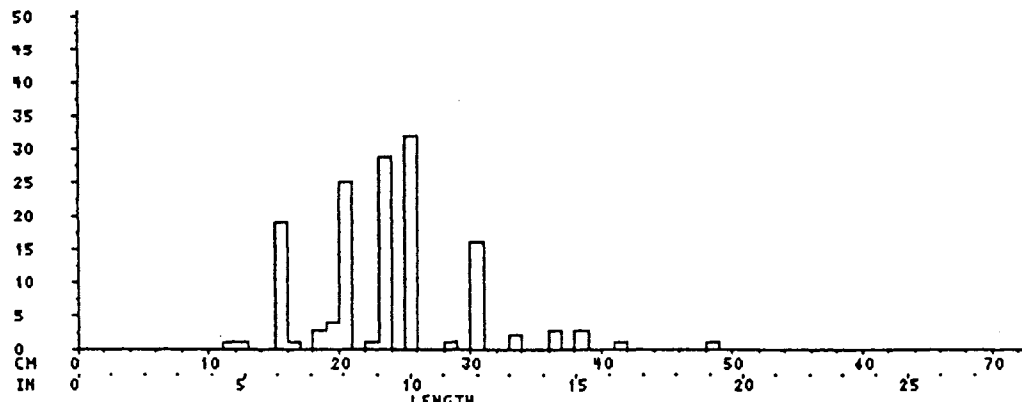


FIGURE 16. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'CCF' BY ALL ANGLERS  
FREQUENCY VS. FISH LENGTH 143 INDIVIDUALS

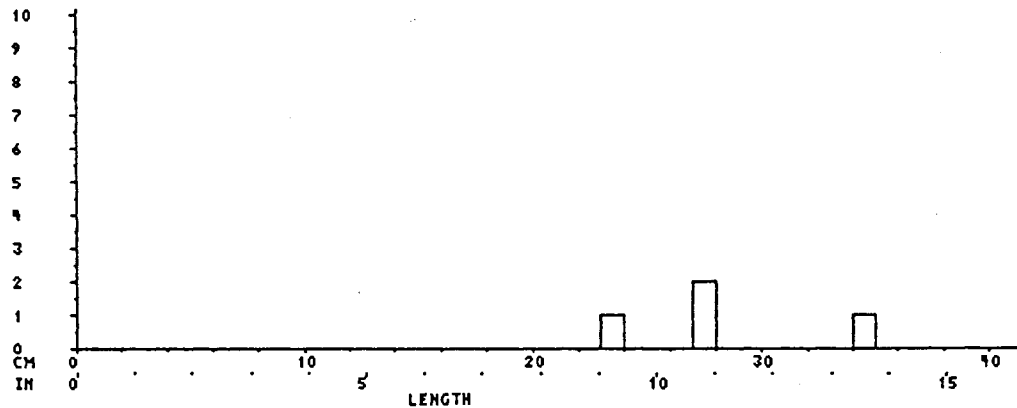


FIGURE 17. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'YEB' BY ALL ANGLERS  
FREQUENCY VS. FISH LENGTH 4 INDIVIDUALS

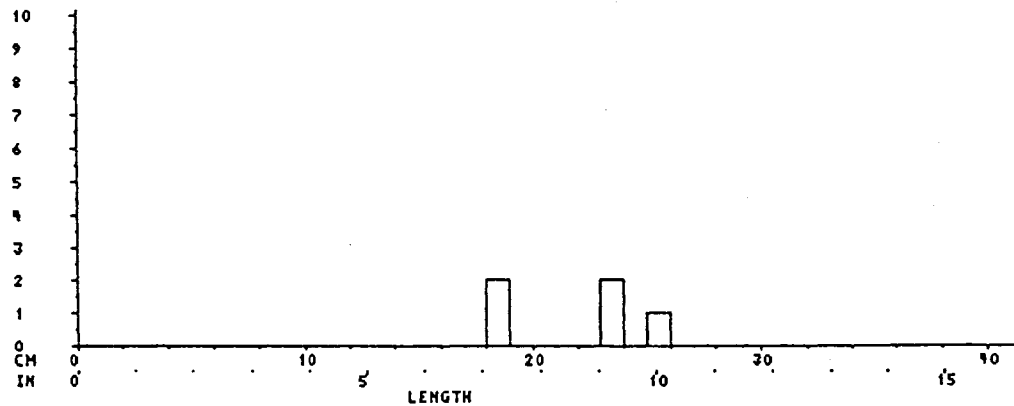
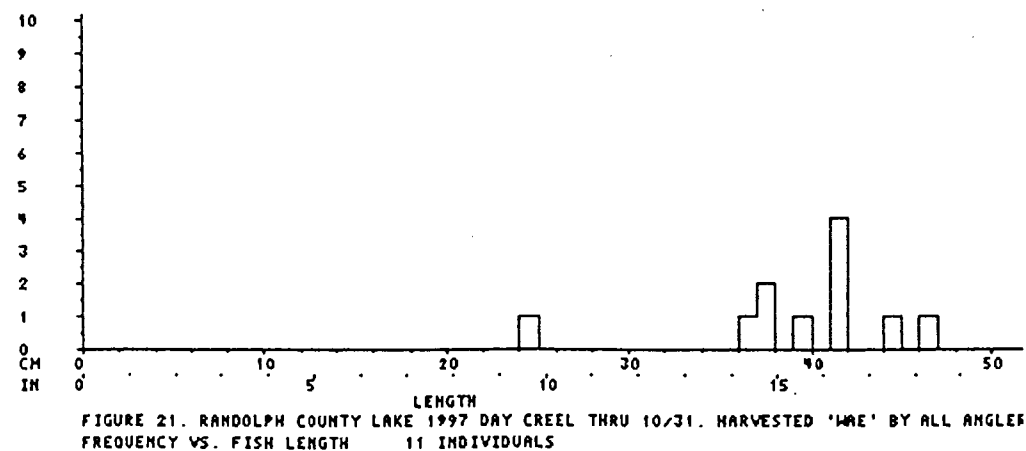
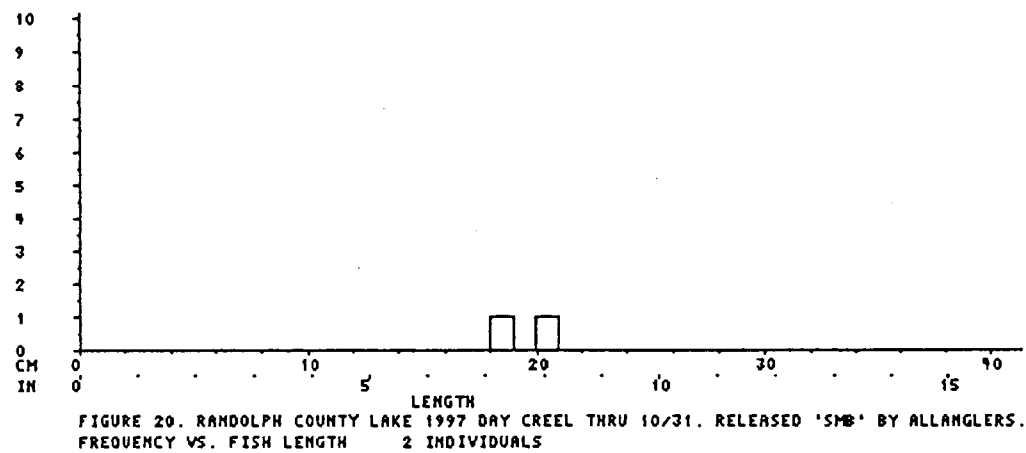
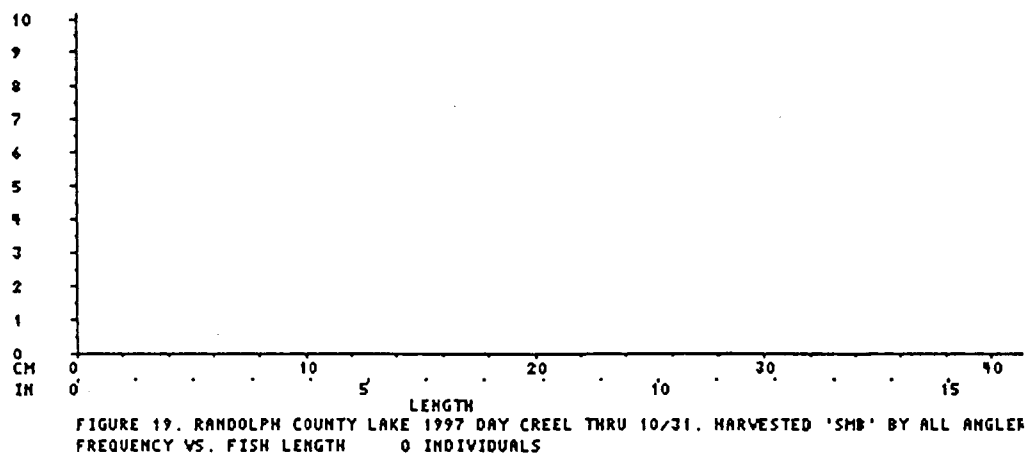


FIGURE 18. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'YEB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 5 INDIVIDUALS



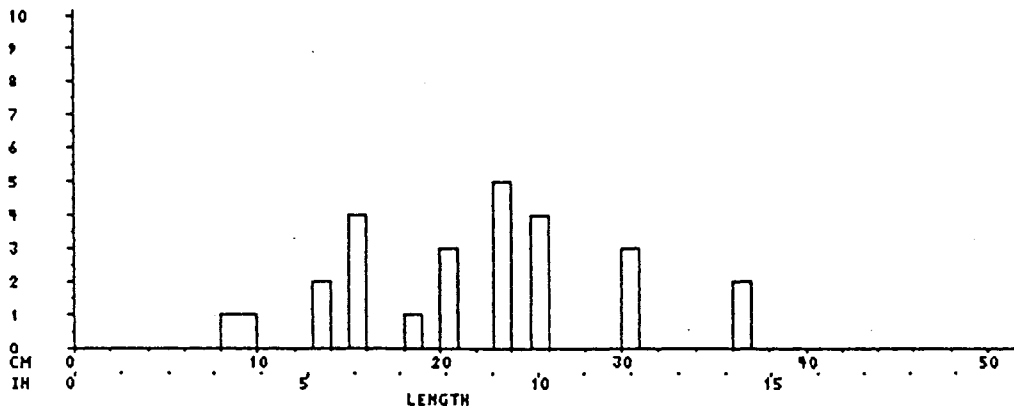


FIGURE 22. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'WAE' BY ALL ANGLERS  
FREQUENCY VS. FISH LENGTH 26 INDIVIDUALS

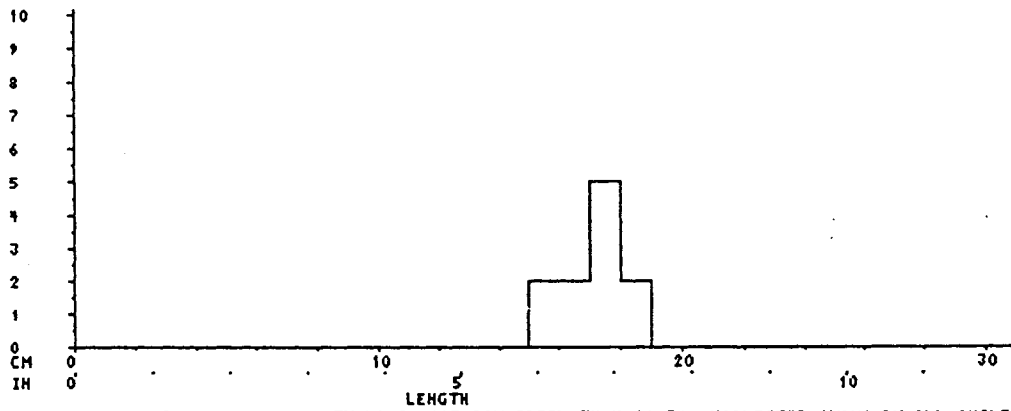


FIGURE 23. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'WAM' BY ALL ANGLER  
FREQUENCY VS. FISH LENGTH 11 INDIVIDUALS

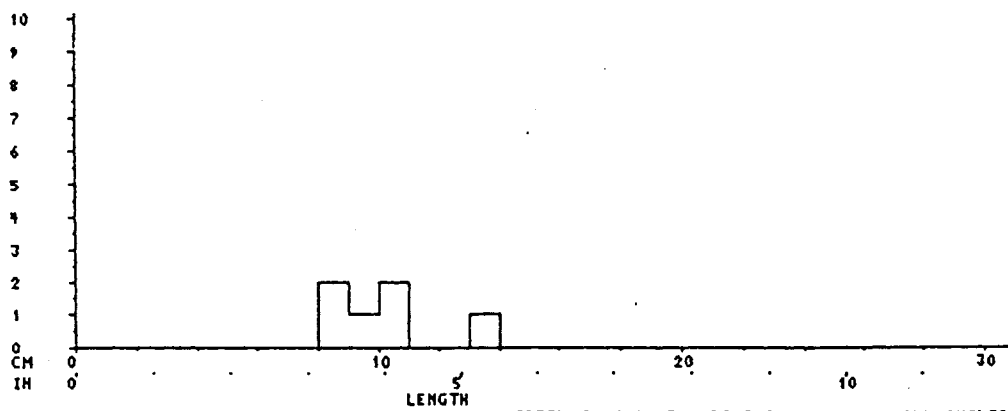


FIGURE 24. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'WAM' BY ALL ANGLERS  
FREQUENCY VS. FISH LENGTH 6 INDIVIDUALS

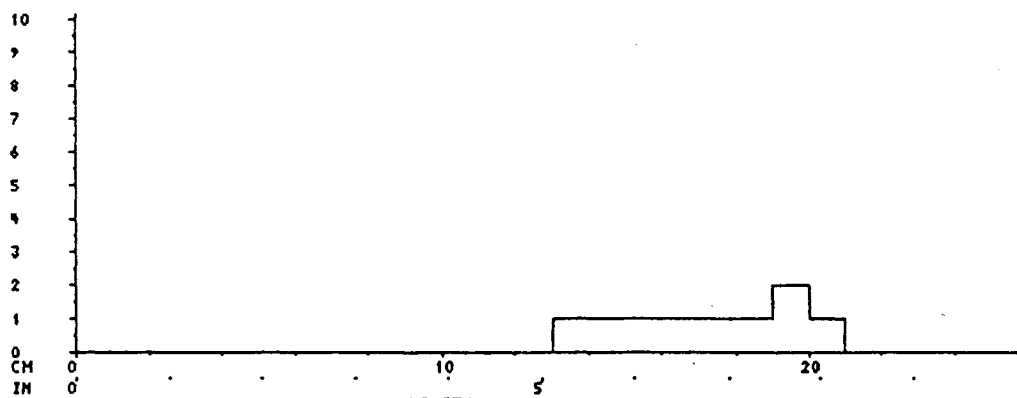


FIGURE 25. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'GSF' BY ALL ANGLERS  
FREQUENCY VS. FISH LENGTH 9 INDIVIDUALS

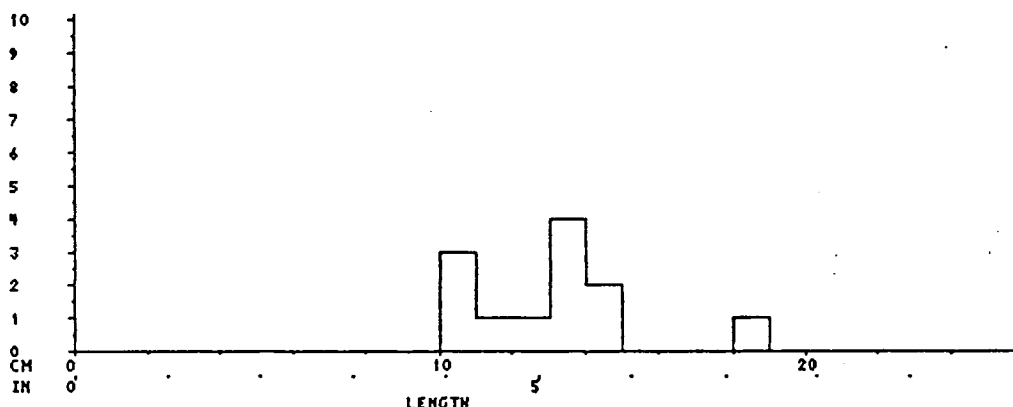


FIGURE 26. RANDOLPH COUNTY LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'GSF' BY ALL ANGLERS  
FREQUENCY VS. FISH LENGTH 12 INDIVIDUALS

EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=5 LAKE :=SAM PARR LAKE  
DISTRICT :=19 YEAR :=97  
ACREAGE :149 SAMPLING RATIO :=304/693 = 43.8%  
NUMBER OF INTERVIEWS:2164

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

	ANGL HRS	95% CONF INTVL	HRS/ ACRE	95% CONF INTVL	% EFF INTVD
BOAT FISHING:					
WEEKDAY	12686	10916-14456 ( 14%)	85	73-97 ( 14%)	14.29
WKND/HOL	11426	9709-13143 ( 15%)	77	65-88 ( 15%)	35.84
STR TOTAL	24112	21686-26538 ( 10%)	162	146-178 ( 10%)	24.50
SHORE FISHING:					
WEEKDAY	4253	3428-5078 ( 19%)	29	23-34 ( 19%)	12.29
WKND/HOL	3925	3163-4687 ( 19%)	26	21-31 ( 19%)	26.10
STR TOTAL	8178	7072-9284 ( 14%)	55	47-62 ( 14%)	18.91
BOAT/SHORE COALESCED:					
WEEKDAY	16765	14679-18851 ( 12%)	113	99-127 ( 12%)	13.93
WKND/HOL	15244	13046-17442 ( 14%)	102	88-117 ( 14%)	33.58
STR TOTAL	32009	29033-34985 ( 9%)	215	195-235 ( 9%)	23.29
BOAT/SHORE STRATIFIED:					
WEEKDAY	16941	15005-18877 ( 11%)	114	101-127 ( 11%)	13.79
WKND/HOL	15353	13495-17211 ( 12%)	103	91-116 ( 12%)	33.34
STR TOTAL	32294	29644-34944 ( 8%)	217	199-235 ( 8%)	23.09

HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :5 LAKE :SAM PARR LAKE  
 DISTRICT :19 YEAR :97  
 ACREAGE :149 SAMPLING RATIO :608/1386 = 43.8%  
 RATIO OF EFFORT HOURS INTERVIEWED : 7453.2/32296.5 = 23.08%  
 NUMBER OF INTERVIEWS: 2164

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:  
 GOS BLB FCF  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.025	.009-.041 ( 66 %)	892	528-1256 ( 41 %)	14.80	5.99
BLG	1.020	.861-1.178 ( 16 %)	42071	36641-47500 ( 13 %)	697.69	282.33
BRB	.000	+- .000 (157 %)	14	+-31 (124 %)	.23	.10
CCF	.053	.042-.068 ( 24 %)	1700	1327-2072 ( 22 %)	28.19	11.41
LMB	.037	.022-.052 ( 41 %)	1158	751-1566 ( 35 %)	19.21	7.77
RSF	.032	.021-.043 ( 35 %)	1198	914-1481 ( 24 %)	19.86	8.04
WAM	.000	( 0 %)	2	( 0 %)	.04	.02
WHC	.030	.013-.047 ( 57 %)	1044	566-1522 ( 46 %)	17.31	7.01
YEB	.001	+- .003 (111 %)	41	+-87 (113 %)	.68	.28
MSC	.000	+- .002 (159 %)	20	+-45 (130 %)	.33	.13
TOT	1.201	1.032-1.369 ( 14 %)	48139	42289-53989 ( 12 %)	798.32	323.08

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.003	.000-.006 ( 84 %)	157	91-223 ( 42 %)	2.604	176.0
BLG	.094	.079-.108 ( 15 %)	3971	3432-4510 ( 14 %)	65.855	94.4
BRB	.000	+- .000 (144 %)	5	+-12 (131 %)	.085	366.1
CCF	.029	.014-.044 ( 53 %)	874	580-1168 ( 34 %)	14.502	514.5
LMB	.020	.010-.029 ( 48 %)	668	396-939 ( 41 %)	11.071	576.4
RSF	.007	.004-.010 ( 37 %)	272	203-342 ( 26 %)	4.517	227.4
WAM	.000	( 0 %)		( 0 %)	.002	63.3
WHC	.004	.001-.007 ( 66 %)	146	75-218 ( 49 %)	2.426	140.2
YEB	.000	+- .001 (107 %)	26	+-66 (153 %)	.434	638.9
MSC	.000	+- .001 (179 %)	12	+-29 (142 %)	.199	611.7
TOT	.158	.136-.180 ( 14 %)	6132	5395-6870 ( 12 %)	101.694	127.4

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.007	.001-.014 ( 84 %)	346	200-492 ( 42 %)	2.324	.3881
BLG	.206	.175-.238 ( 15 %)	8755	7566-9944 ( 14 %)	58.756	.2081
BRB	.000	+- .000 (144 %)	11	+-26 (131 %)	.076	.8070
CCF	.064	.030-.097 ( 53 %)	1928	1280-2576 ( 34 %)	12.938	1.1342
LMB	.043	.023-.064 ( 48 %)	1472	873-2070 ( 41 %)	9.877	1.2707
RSF	.016	.010-.021 ( 37 %)	600	447-754 ( 26 %)	4.030	.5014
WAM	.000	( 0 %)		( 0 %)	.002	.1395
WHC	.010	.003-.016 ( 66 %)	323	165-480 ( 49 %)	2.165	.3090
YEB	.001	+- .003 (107 %)	58	+-146 (153 %)	.387	1.4086
MSC	.000	+- .003 (179 %)	26	+-64 (142 %)	.178	1.3486
TOT	.348	.300-.397 ( 14 %)	13519	11893-15145 ( 12 %)	90.732	.2808

CAUGHT AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :5 LAKE :SAM FARR LAKE  
 DISTRICT :19 YEAR :97  
 ACREAGE :149 SAMPLING RATIO :608/1386 = 43.8%  
 RATIO OF EFFORT HOURS INTERVIEWED := 7455.2/32296.5 = 23.08%  
 NUMBER OF INTERVIEWS: 2164

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:  
 GOS BLB FCF  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLC	.038	.015-.062 ( 61 %)	1527	946-2109 ( 38 %)	25.33	10.25
BLG	1.671	1.449-1.893 ( 13 %)	71691	61671-81711 ( 14 %)	1188.90	481.14
BRB	.000	+- .000 (157 %)	14	+-31 (124 %)	.23	.10
CCF	.070	.050-.089 ( 28 %)	2034	1611-2457 ( 21 %)	33.73	13.65
LMB	.191	.127-.255 ( 34 %)	5785	4766-6804 ( 18 %)	95.93	38.83
RSF	.037	.023-.052 ( 40 %)	1354	1040-1667 ( 23 %)	22.45	9.09
WAM	.001	+- .004 (192 %)	29	+-83 (190 %)	.48	.20
WHC	.034	.017-.052 ( 51 %)	1332	780-1883 ( 41 %)	22.08	8.94
YEB	.003	.000-.006 ( 82 %)	102	11-193 ( 89 %)	1.69	.69
MSC	.001	+- .003 (110 %)	33	2-63 ( 94 %)	.54	.22
TOT	2.047	1.812-2.282 ( 11 %)	83900	73193-94608 ( 13 %)	1391.37	563.08

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLC	.004	.000-.008 ( 99 %)	183	109-257 ( 41 %)	3.033	119.7
BLG	.112	.097-.128 ( 14 %)	4785	4155-5415 ( 13 %)	79.355	66.7
BRB	.000	+- .000 (144 %)	5	+-12 (131 %)	.085	366.1
CCF	.034	.018-.050 ( 48 %)	970	668-1272 ( 31 %)	16.090	477.0
LMB	.065	.038-.092 ( 41 %)	2280	1822-2737 ( 20 %)	37.805	394.1
RSF	.008	.005-.010 ( 37 %)	296	219-373 ( 26 %)	4.913	218.9
WAM	.000	+- .000 (211 %)	1	+-4 (196 %)	.021	44.9
WHC	.004	.002-.007 ( 64 %)	155	81-229 ( 48 %)	2.569	116.3
YEB	.001	.000-.002 ( 81 %)	42	2-81 ( 95 %)	.689	407.5
MSC	.000	+- .001 (171 %)	12	+-29 (138 %)	.205	377.7
TOT	.229	.196-.262 ( 14 %)	8729	7795-9663 ( 11 %)	144.766	104.0

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BLC	.009	.000-.018 ( 99 %)	403	240-567 ( 41 %)	2.706	.2639
BLG	.247	.213-.282 ( 14 %)	10549	9161-11938 ( 13 %)	70.801	.1471
BRB	.000	+- .000 (144 %)	11	+-26 (131 %)	.076	.8070
CCF	.075	.039-.110 ( 48 %)	2139	1473-2805 ( 31 %)	14.356	1.0515
LMB	.143	.085-.202 ( 41 %)	5026	4017-6034 ( 20 %)	33.730	.8688
RSF	.017	.011-.023 ( 37 %)	653	483-823 ( 26 %)	4.384	.4826
WAM	.000	+- .000 (211 %)	3	+-8 (196 %)	.019	.0991
WHC	.010	.003-.016 ( 64 %)	342	179-505 ( 48 %)	2.292	.2565
YEB	.002	.000-.004 ( 81 %)	92	5-179 ( 95 %)	.615	.8984
MSC	.000	+- .003 (171 %)	27	+-65 (138 %)	.183	.8327
TOT	.505	.432-.577 ( 14 %)	19245	17186-21304 ( 11 %)	129.160	.2294

TABLE SAM PARR LAKE 1997 DAY CREEL FINAL REPORT  
DAYTIME DATA FOR LAKE=SAM PARR LAKE CREEL BEGUN IN YEAR=97

SECTION 1 FROM 03/15 TO 04/08  
SECTION 1 FROM 04/09 TO 04/30  
SECTION 1 FROM 05/01 TO 05/31  
SECTION 1 FROM 06/01 TO 06/15  
SECTION 1 FROM 06/16 TO 08/31  
SECTION 1 FROM 09/01 TO 09/30  
SECTION 1 FROM 10/01 TO 10/31

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4	3.8 - 4.2 ( 5%)	.2	8.1	390
SHORE	1.7	1.3 - 2.1 ( 24%)	.3	7	49
BOAT & SHORE	3.7	3.5 - 3.9 ( 5%)	.2	8.1	439

183 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
21.9% OF ALL 2008 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:  
QUESTION

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	58.6	55 - 62.2 ( 6%)	1	900	1662
SUCCESS RATING 1-10?	5.1	5 - 5.2 ( 3%)	1	10	1651

IS CATCH ILLEGAL?

CLERK NOTED 0 OUT OF 2008 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY 1075 ( 53.5%)	CCF 147 ( 7.3%)
LMB 416 ( 20.7%)	BLG 334 ( 16.6%)
WHC 1 ( 0%)	CRP 35 ( 1.7%)

PARTY SIZE VS. # INTERVIEWS

BOAT		SHORE	
1	367	1	146
2	878	2	215
3	196	3	62
4	54	4	51
5	9	5	19
6		6	2
7		7	1
8	1	8	2
9		9	1
10+	1	10+	3



TABLE SAM PARR LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=SAM PARR LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#ELC	#ANGLERS	#ELG	#ANGLERS	#ELG	#ANGLERS	#BRB	#ANGLERS	#BRB	#ANGLERS
0	746	0	517	16	4	0	765	16	
1	14	1	27	17	6	1	4	17	
2		2	30	18	6	2		18	
3	3	3	14	19		3		19	
4		4	7	20	3	4		20	
5		5	20	21		5		21	
6		6	9	22		6		22	
7		7	10	23	2	7		23	
8	3	8	40	24		8		24	
9	2	9	5	25	5	9		25	
10		10	15	26		10		26	
11		11	1	27	2	11		27	
12		12	3	28		12		28	
13		13	17	29		13		29	
14		14	3	30		14		30	
15+	1	15	15	31+	8	15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#ELC	#ANGLERS	#ELG	#ANGLERS	#ELG	#ANGLERS	#BRB	#ANGLERS	#BRB	#ANGLERS
0	751	0	508	16		0	769	16	
1	12	1	37	17		1		17	
2	3	2	55	18	2	2		18	
3	3	3	21	19		3		19	
4		4	9	20	1	4		20	
5		5	30	21		5		21	
6		6	12	22		6		22	
7		7	3	23		7		23	
8		8	28	24		8		24	
9		9		25	7	9		25	
10		10	30	26		10		26	
11		11		27		11		27	
12		12	2	28		12		28	
13		13	10	29		13		29	
14		14		30	4	14		30	
15+		15	6	31+	4	15		31+	

(TAXA FOR L.FREQS.= ELC ELG BRB )

TABLE SAM PARR LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=SAM PARR LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CCF	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS	#RSF	#ANGLERS	#RSF	#ANGLERS
0	699	0	727	16		0	709	16	
1	50	1	35	17		1	42	17	
2	12	2	3	18		2	7	18	
3	3	3		19		3	5	19	
4		4		20		4		20	
5		5	2	21		5		21	
6	5	6	2	22		6	1	22	
7		7		23		7		23	
8		8		24		8	1	24	
9		9		25		9	1	25	
10		10		26		10	2	26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15	1	31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CCF	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS	#RSF	#ANGLERS	#RSF	#ANGLERS
0	759	0	551	16		0	761	16	
1	10	1	71	17		1	5	17	
2		2	44	18		2	1	18	
3		3	36	19		3		19	
4		4	17	20	1	4		20	
5		5	22	21		5		21	
6		6	15	22		6		22	
7		7		23		7		23	
8		8	3	24		8	2	24	
9		9	1	25		9		25	
10		10	8	26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= CCF LMB RSF )

TABLE SAM PARR LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=SAM PARR LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#WAM	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS
0	769	0	746	16		0	767	16	
1		1	16	17		1	2	17	
2		2		18		2		18	
3		3	3	19		3		19	
4		4	2	20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8	1	24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29	1	13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#WAM	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS
0	769	0	761	16		0	769	16	
1		1	4	17		1		17	
2		2		18		2		18	
3		3	2	19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7	2	23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= WAM WHC YEB )

TABLE SAM PARR LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=SAM PARR LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

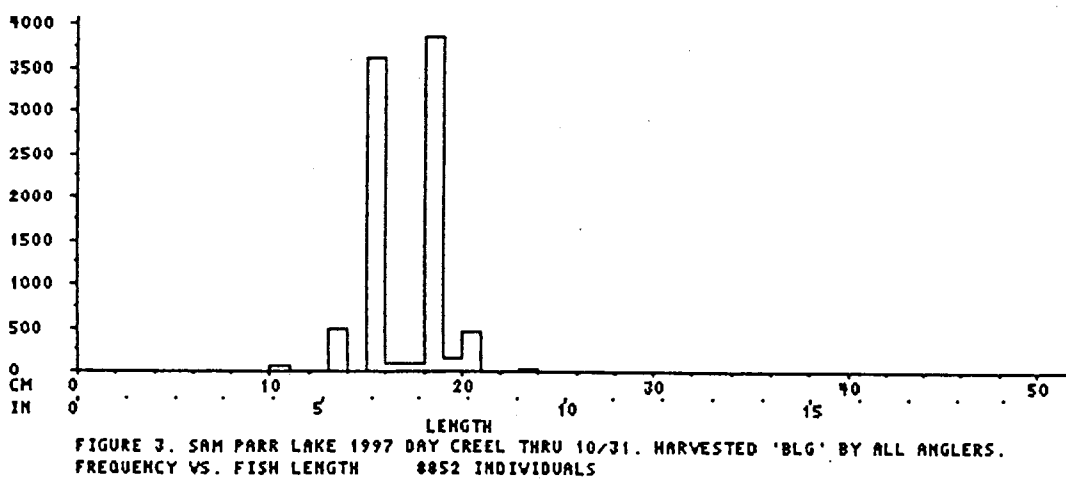
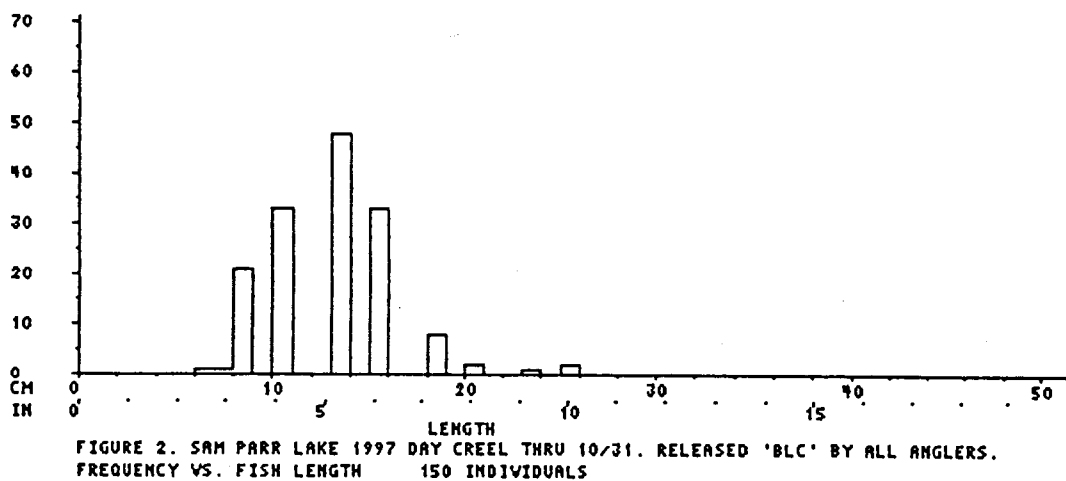
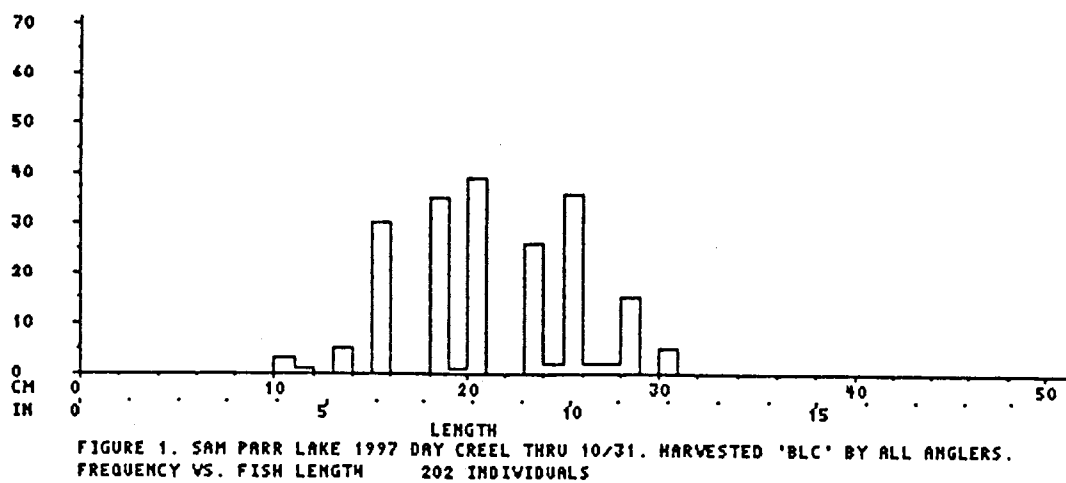
HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLB	#ANGLERS	#FCF	#ANGLERS	#FCF	#ANGLERS	#GOS	#ANGLERS	#GOS	#ANGLERS
0	767	0	767	16		0	769	16	
1	2	1	2	17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLB	#ANGLERS	#FCF	#ANGLERS	#FCF	#ANGLERS	#GOS	#ANGLERS	#GOS	#ANGLERS
0	769	0	769	16		0	769	16	
1		1		17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= BLB FCF GOS )



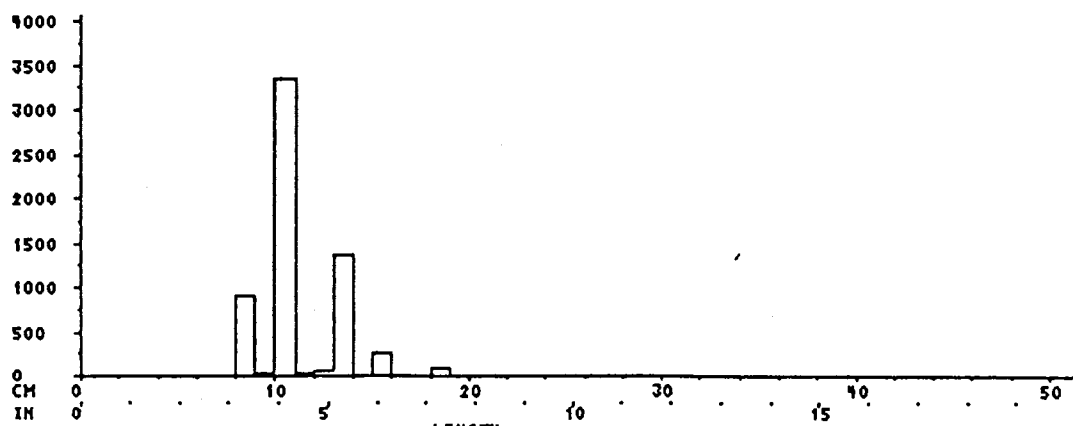


FIGURE 4. SAM PARR LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 4118 INDIVIDUALS

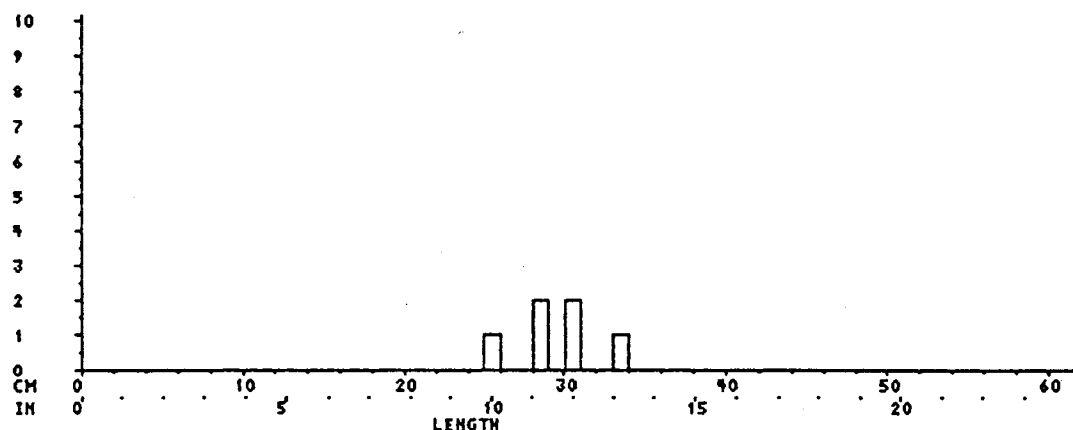


FIGURE 5. SAM PARR LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BRB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 4 INDIVIDUALS

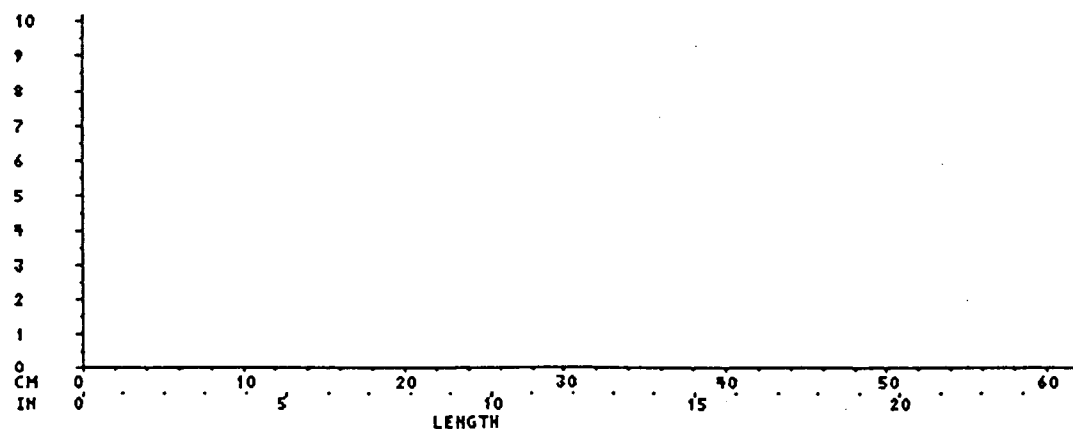


FIGURE 6. SAM PARR LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BRB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

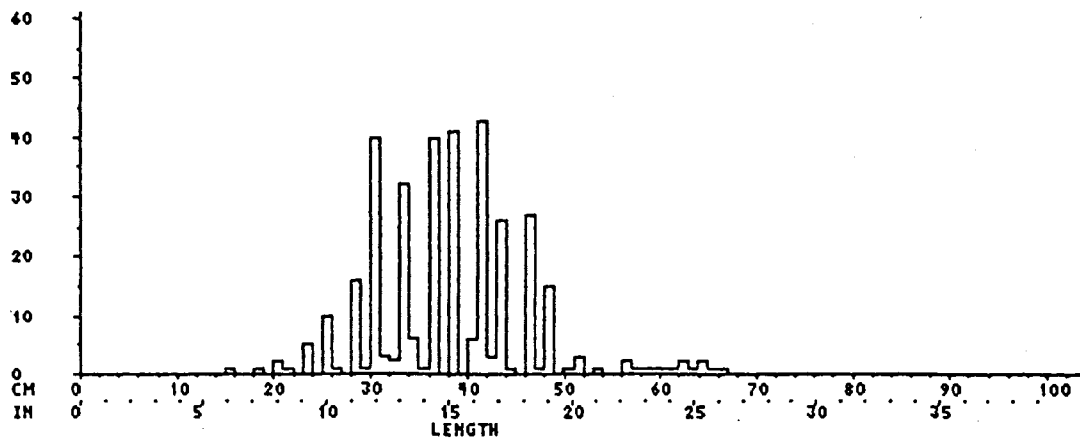


FIGURE 7. SAM PARR LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 344 INDIVIDUALS

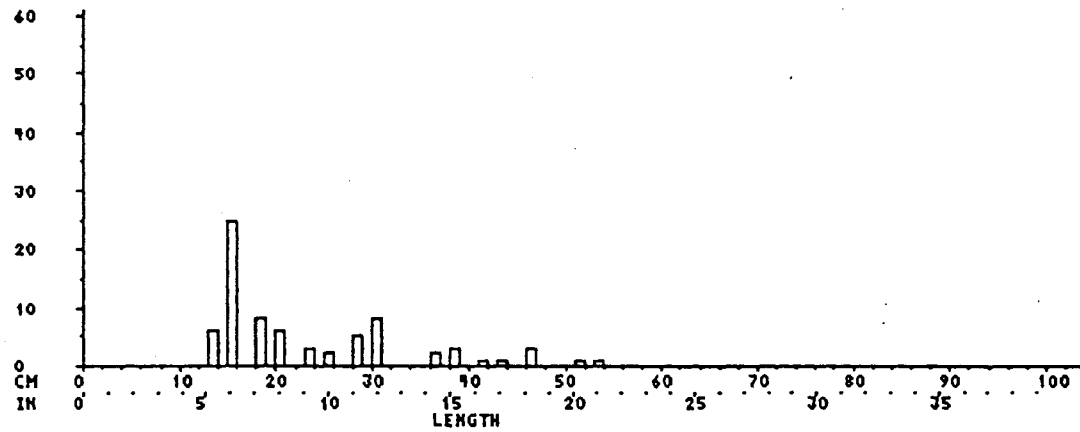


FIGURE 8. SAM PARR LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 75 INDIVIDUALS

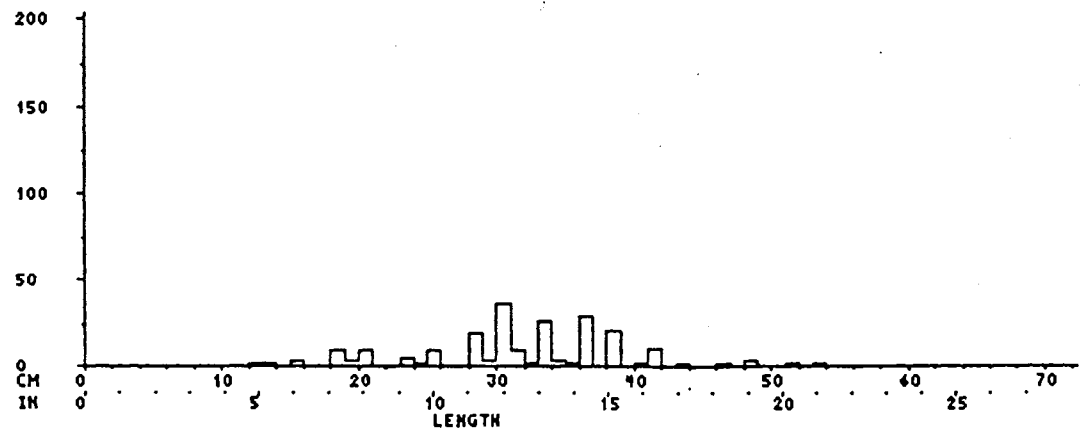
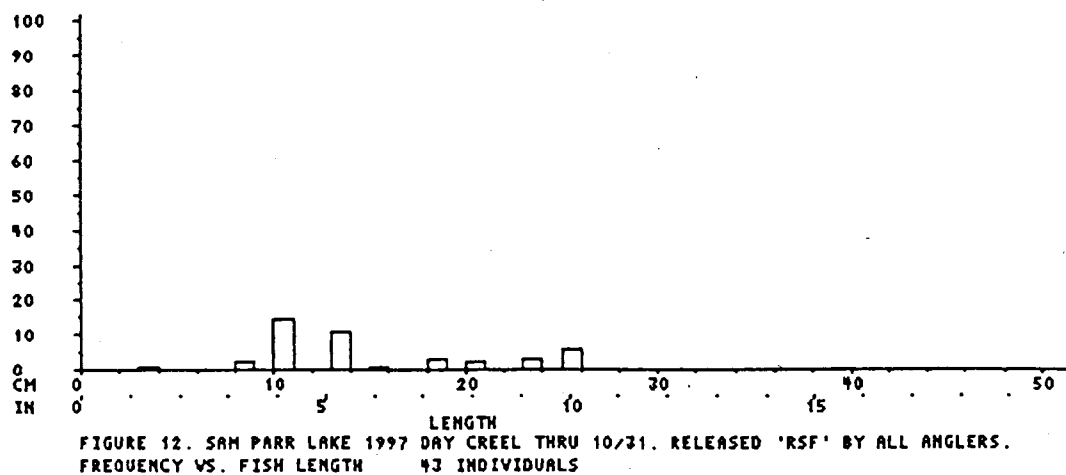
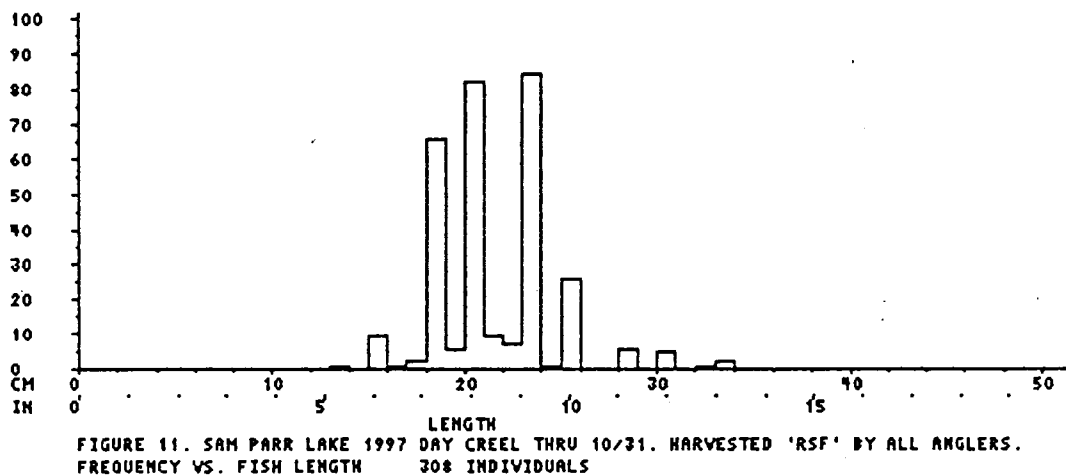
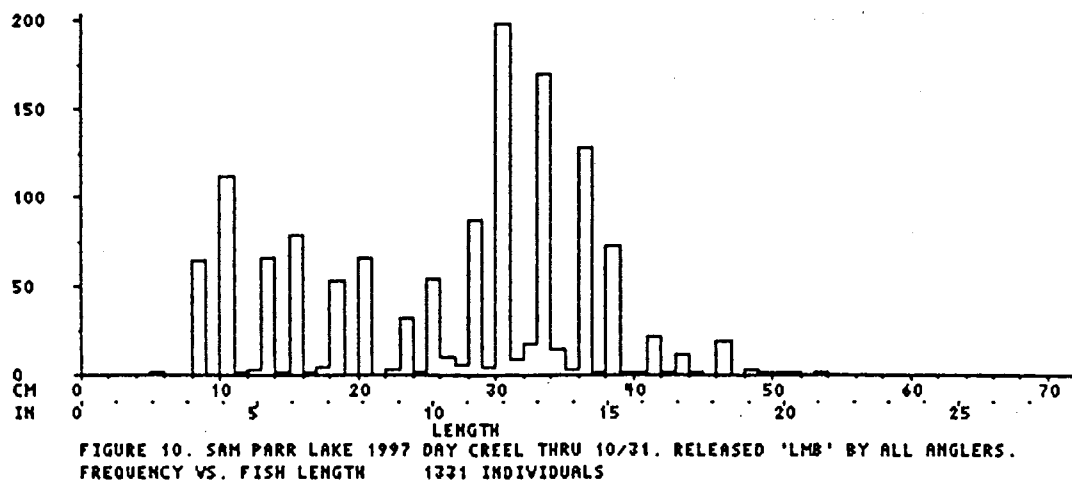


FIGURE 9. SAM PARR LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 206 INDIVIDUALS





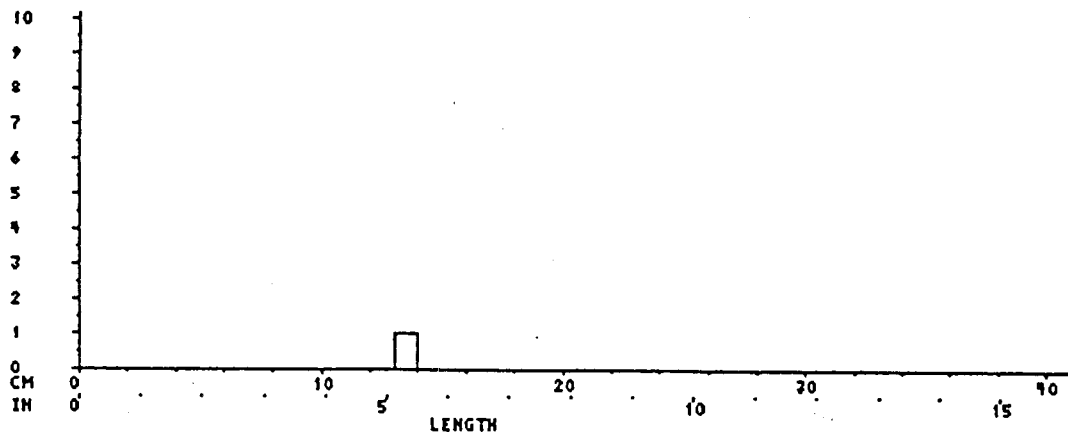


FIGURE 13. SAM PARR LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'HAM' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1 INDIVIDUALS

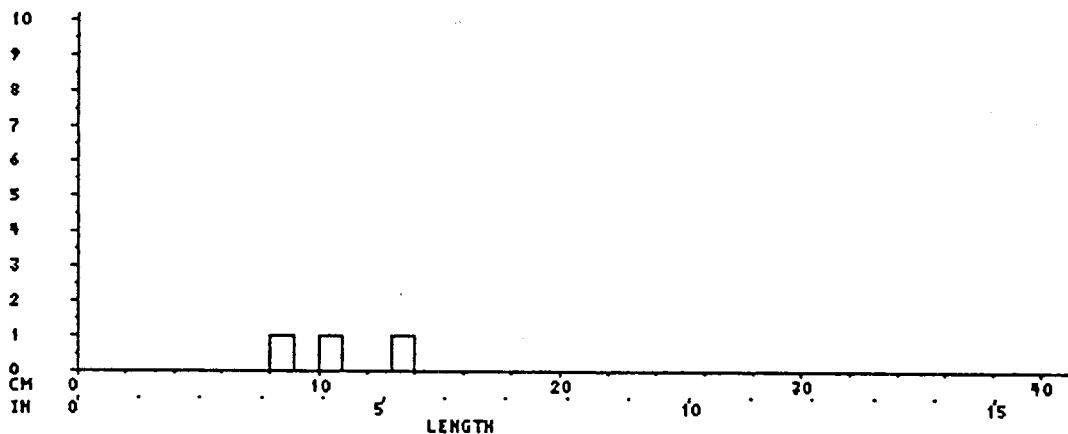


FIGURE 14. SAM PARR LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'HAM' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 3 INDIVIDUALS

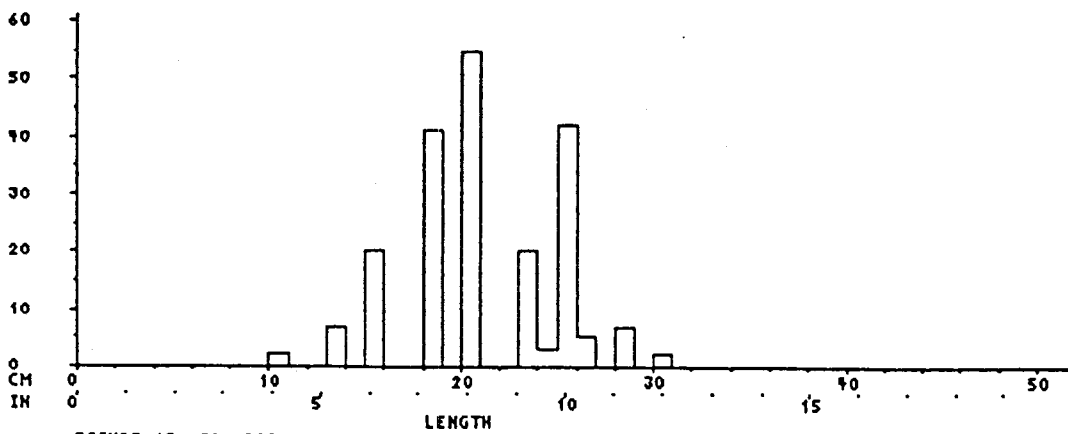


FIGURE 15. SAM PARR LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'HNC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 204 INDIVIDUALS

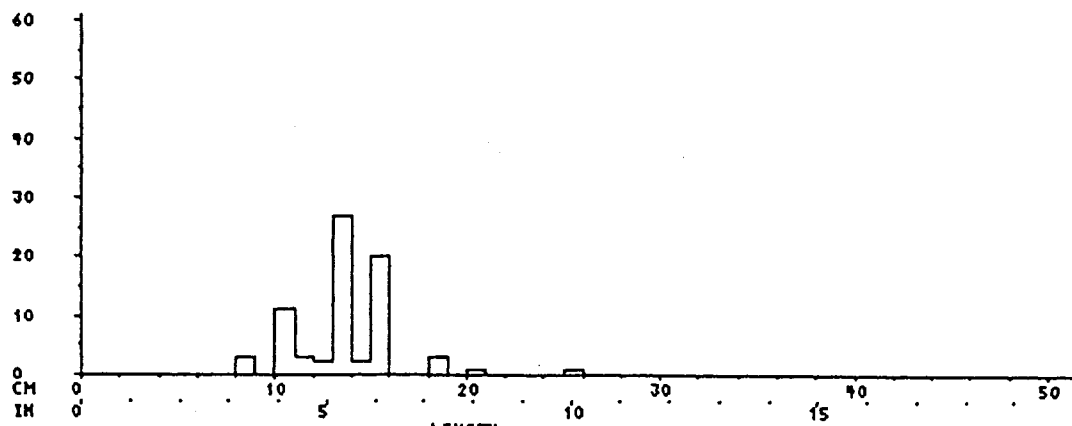


FIGURE 16. SAM PARR LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'MHC' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 73 INDIVIDUALS

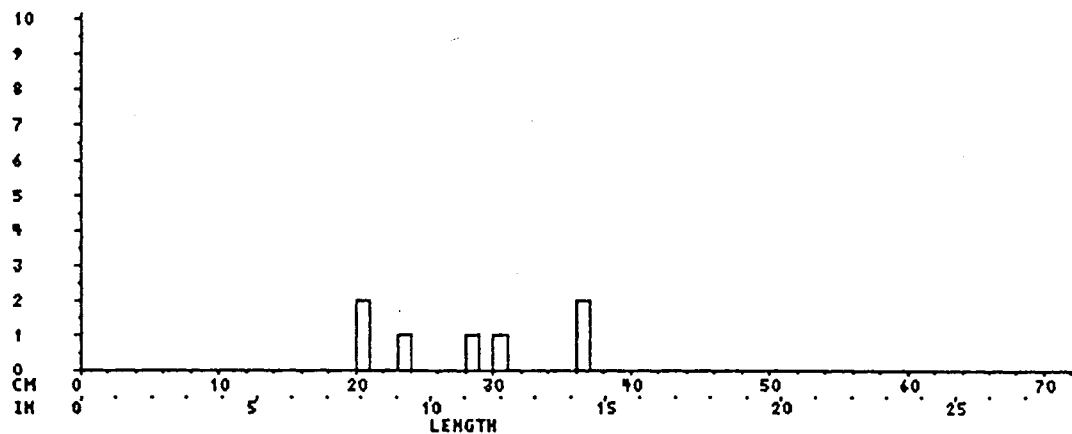


FIGURE 17. SAM PARR LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'YEB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 7 INDIVIDUALS

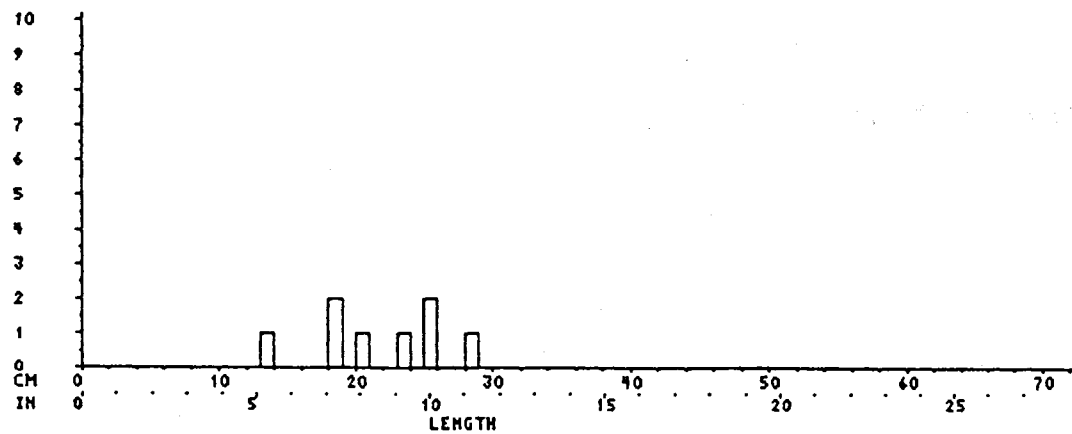
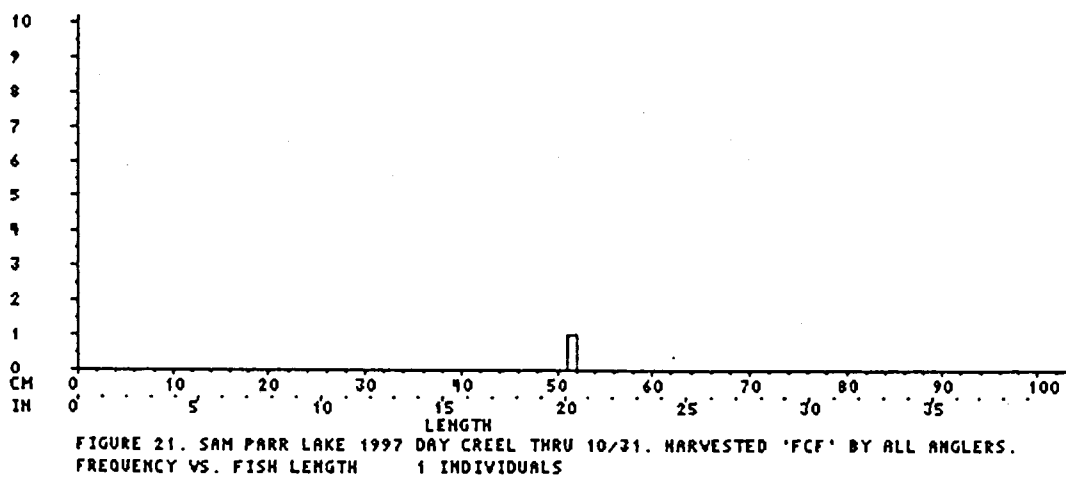
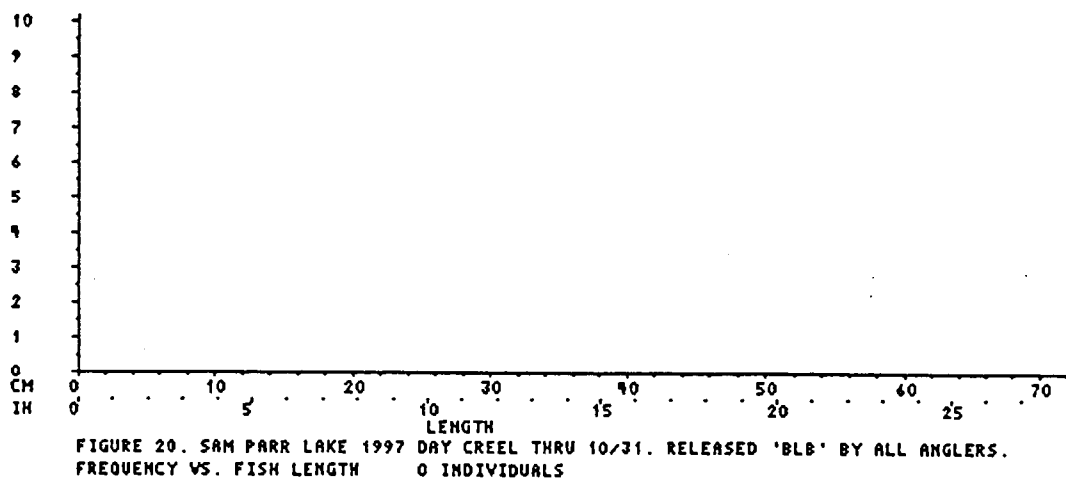
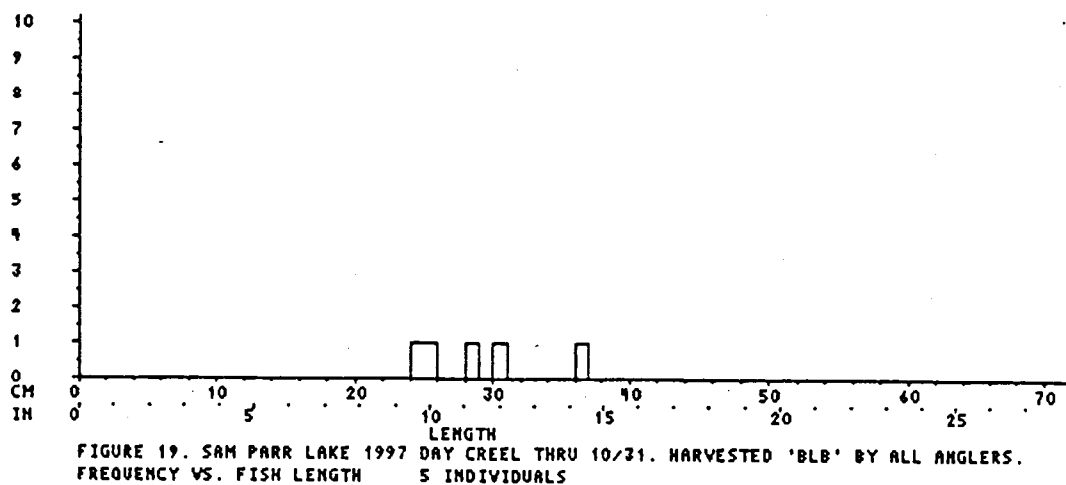


FIGURE 18. SAM PARR LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'YEB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 8 INDIVIDUALS



EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=1 LAKE :=SHABBONA LAKE  
 DISTRICT :=01 YEAR :=97  
 ACREAGE :304 SAMPLING RATIO :=284/642 = 44.2%  
 NUMBER OF INTERVIEWS:4960

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

	ANGL HRS	95% CONF INTVL	HRS/ ACRE	95% CONF INTVL	% EFF INTVD
	-----	-----	-----	-----	-----
BOAT FISHING:					
WEEKDAY	44773	40858-48688 ( 9%)	147	134-160 ( 9%)	12.62
WKND/HOL	66685	61091-72279 ( 8%)	219	201-238 ( 8%)	21.50
STR TOTAL	111458	104718-118198 ( 6%)	367	344-389 ( 6%)	17.93
SHORE FISHING:					
WEEKDAY	18737	16511-20963 ( 12%)	62	54-69 ( 12%)	8.67
WKND/HOL	22333	20440-24226 ( 8%)	73	67-80 ( 8%)	18.35
STR TOTAL	41070	38176-43964 ( 7%)	135	126-145 ( 7%)	13.94
BOAT/SHORE COALESCED:					
WEEKDAY	63248	57743-68753 ( 9%)	208	190-226 ( 9%)	11.50
WKND/HOL	88867	81901-95833 ( 8%)	292	269-315 ( 8%)	20.74
STR TOTAL	152115	143335-160895 ( 6%)	500	471-529 ( 6%)	16.90
BOAT/SHORE STRATIFIED:					
WEEKDAY	63512	59038-67986 ( 7%)	209	194-224 ( 7%)	11.46
WKND/HOL	89019	83146-94892 ( 7%)	293	274-312 ( 7%)	20.71
STR TOTAL	152531	145224-159838 ( 5%)	502	478-526 ( 5%)	16.86

REGION :1 LAKE :SHABONA LAKE  
 DISTRICT :01 YEAR :97  
 ACREAGE :304 SAMPLING RATIO :560/1264 = 44.2%  
 RATIO OF EFFORT HOURS INTERVIEWED : 25709.4/152533.3 = 16.85%  
 NUMBER OF INTERVIEWS: 4960

COMBINED ACROSS STRATA:

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 07/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:

YEB WMC GZS CAP FCF GOS

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.079	.054-.104 ( 31 %)	15127	11632-18622 ( 23 %)	122.95	49.76
BLG	.040	.023-.057 ( 43 %)	6278	4639-7918 ( 26 %)	51.03	20.65
CCF	.022	.016-.027 ( 26 %)	2913	2251-3576 ( 23 %)	23.68	9.58
LMB	.003	.001-.004 ( 49 %)	436	267-605 ( 39 %)	3.55	1.44
MUE		*** NOT RECORDED ***		*** NOT RECORDED ***		
SBH	.000	+- .000 (124 %)	41	+-95 (129 %)	.34	.14
SMB	.000	+- .000 (223 %)	15	+-47 (223 %)	.12	.05
WAE	.000	.000-.002 ( 71 %)	284	128-439 ( 55 %)	2.31	.94
YEP	.022	.014-.031 ( 36 %)	3879	2544-5214 ( 34 %)	31.53	12.76
MSC	.022	.015-.028 ( 50 %)	4378	3378-5377 ( 23 %)	35.58	14.40
TOT	.189	.158-.220 ( 17 %)	33351	28978-37704 ( 13 %)	271.08	107.71

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.010	.007-.014 ( 35 %)	2049	1541-2557 ( 25 %)	16.655	135.5
BLG	.004	.002-.006 ( 54 %)	565	390-739 ( 31 %)	4.570	89.9
CCF	.017	.011-.023 ( 36 %)	2180	1670-2690 ( 23 %)	17.718	748.2
LMB	.004	.002-.006 ( 59 %)	546	302-770 ( 45 %)	4.435	1250.8
MUE		*** NOT RECORDED ***		*** NOT RECORDED ***		
SBH	.000	+- .001 (134 %)	110	+-252 (130 %)	.870	2639.2
SMB	.000	+- .000 (223 %)	10	+-33 (223 %)	.083	698.9
WAE	.001	.000-.002 ( 82 %)	347	130-564 ( 63 %)	2.820	1223.0
YEP	.000	.000-.001 ( 39 %)	180	103-258 ( 43 %)	1.466	46.5
MSC	.009	+- .020 (134 %)	557	325-788 ( 42 %)	4.525	127.2
TOT	.046	.033-.059 ( 28 %)	6543	5659-7427 ( 14 %)	53.181	196.7

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.023	.015-.031 ( 35 %)	4517	3398-5637 ( 25 %)	14.860	.2986
BLG	.009	.004-.013 ( 54 %)	1245	860-1629 ( 31 %)	4.095	.1983
CCF	.037	.023-.050 ( 36 %)	4806	3681-5930 ( 23 %)	15.808	1.6493
LMB	.008	.003-.013 ( 59 %)	1203	645-1741 ( 45 %)	3.957	2.7575
MUE		*** NOT RECORDED ***		*** NOT RECORDED ***		
SBH	.001	+- .003 (134 %)	241	+-554 (130 %)	.794	5.8184
SMB	.000	+- .000 (223 %)	22	+-72 (223 %)	.074	1.5408
WAE	.003	.000-.005 ( 82 %)	767	286-1244 ( 63 %)	2.516	2.6963
YEP	.002	.001-.003 ( 39 %)	398	227-569 ( 43 %)	1.308	.1025
MSC	.019	+- .044 (134 %)	1227	717-1737 ( 42 %)	4.037	.2804
TOT	.101	.073-.130 ( 28 %)	14424	12475-16373 ( 14 %)	47.448	.4325

HARVESTED AND CPUE TABLE                    \*\*\* DAY \*\*\*  
 REGION :=1                    LAKE :=SHABBONA LAKE  
 DISTRICT :=01                YEAR :=97  
 ACREAGE :304                SAMPLING RATIO :=568/1284 = 44.2%  
 RATIO OF EFFORT HOURS INTERVIEWED := 25709.4/152533.3 = 16.85%  
 NUMBER OF INTERVIEWS: 4960

COMBINED ACROSS STRATA:

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:  
 LMB BLC CCF YEP BLG WAE SMB MUE SBH  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
CAP	.000	+- .001 (237 %)	11	+-36 (237 %)	.09	.04
FCF	.000	+- .000 (198 %)	49	+-143 (194 %)	.39	.16
GOS		*** NOT RECORDED ***		*** NOT RECORDED ***		
GZS		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.017	.012-.021 ( 30 %)	3995	3042-4947 ( 24 %)	32.47	13.14
YEB	.005	.000-.009 ( 95 %)	324	-647 (100 %)	2.63	1.07
MSC	.167	.136-.199 ( 19 %)	28973	24746-33201 ( 15 %)	235.50	95.31
TOT	.189	.158-.220 ( 17 %)	33351	28998-37704 ( 13 %)	271.08	109.71

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
CAP	.000	+- .002 (237 %)	15	+-50 (237 %)	.120	1373.7
FCF	.000	+- .000 (200 %)	27	+-81 (197 %)	.221	560.5
GOS		*** NOT RECORDED ***		*** NOT RECORDED ***		
GZS		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.001	.001-.002 ( 30 %)	351	257-444 ( 27 %)	2.851	87.8
YEB	.006	+- .018 (179 %)	164	+-386 (136 %)	1.333	506.5
MSC	.037	.030-.045 ( 20 %)	5986	5123-6849 ( 14 %)	48.656	206.6
TOT	.046	.033-.059 ( 28 %)	6543	5659-7427 ( 14 %)	53.181	196.2

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
CAP	.001	+- .004 (237 %)	33	+-110 (237 %)	.107	3.0285
FCF	.000	+- .000 (200 %)	60	+-178 (197 %)	.197	1.2356
GOS		*** NOT RECORDED ***		*** NOT RECORDED ***		
GZS		*** NOT RECORDED ***		*** NOT RECORDED ***		
WHC	.003	.002-.004 ( 30 %)	773	567-980 ( 27 %)	2.543	.1936
YEB	.014	+- .039 (179 %)	361	+-852 (136 %)	1.189	1.1167
MSC	.082	.066-.099 ( 20 %)	13197	11295-15099 ( 14 %)	43.411	.4555
TOT	.101	.073-.130 ( 28 %)	14424	12475-16373 ( 14 %)	47.448	.4325

CAUGHT AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :=1 LAKE :=SHADDOON LAKE  
 DISTRICT :=01 YEAR :=77  
 ACREAGE :=304 SAMPLING RATIO :=368/1304 = 44.2%  
 RATIO OF EFFORT HOURS INTERVIEWED := 23709.4/152533.3 = 16.8%  
 NUMBER OF INTERVIEWS: 4760

COMBINED ACROSS STRATA:

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 07/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:  
 YES WHO GZS CAP PCF GOS  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLC	.188	.077-.277 ( 47 %)	34756	23373-46338 ( 33 %)	284.11	114.77
BLG	.078	.070-.125 ( 28 %)	17175	14059-20340 ( 18 %)	137.76	56.36
CCF	.028	.022-.034 ( 22 %)	4191	3395-4708 ( 17 %)	34.07	13.77
LMB	.054	.041-.068 ( 24 %)	7082	7595-10568 ( 16 %)	73.02	27.80
MUE	.003	+- .008 (213 %)	181	86-275 ( 52 %)	1.47	.60
SDH	.000	+- .000 (109 %)	57	+-115 (103 %)	.46	.19
SMB	.008	.005-.011 ( 37 %)	1264	800-1647 ( 39 %)	10.27	4.16
WAE	.006	.004-.008 ( 35 %)	1623	1106-2140 ( 32 %)	13.19	5.34
YEP	.267	.217-.320 ( 17 %)	43141	36286-47776 ( 16 %)	350.66	141.71
MSC	.043	.034-.053 ( 22 %)	10167	7798-12535 ( 23 %)	82.64	33.45
TOT	.697	.587-.807 ( 16 %)	121855	107214-136476 ( 12 %)	770.45	300.04

SPEC	KG/HR	95% CI	FG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLC	.020	.009-.031 ( 54 %)	3800	2491-5108 ( 34 %)	30.806	108.7
BLG	.006	.004-.009 ( 38 %)	1067	843-1292 ( 21 %)	8.675	62.1
CCF	.021	.015-.028 ( 31 %)	2732	2328-3335 ( 21 %)	23.808	697.5
LMB	.030	.022-.038 ( 27 %)	4798	4104-5872 ( 18 %)	40.625	550.0
MUE	.012	+- .041 (241 %)	508	163-853 ( 68 %)	4.128	2811.8
SDH	.000	+- .001 (103 %)	112	+-254 (127 %)	.712	1903.3
SMB	.000	.000-.000 ( 47 %)	101	64-130 ( 37 %)	.820	77.8
WAE	.002	.001-.003 ( 50 %)	597	352-842 ( 41 %)	4.852	164.7
YEP	.007	.005-.009 ( 22 %)	1129	912-1347 ( 17 %)	9.177	26.2
MSC	.010	+- .022 (111 %)	918	654-1182 ( 27 %)	7.440	70.0
TOT	.111	.081-.140 ( 27 %)	16162	14087-18237 ( 13 %)	131.365	132.6

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT (LB)		
BLC	.045	.021-.069	( 54 %)	8377	5473-11263	( 34 %)	27.557	309.7
BLG	.014	.007-.020	( 38 %)	2353	1838-2810	( 21 %)	7.740	103.8
CCF	.047	.032-.061	( 31 %)	6463	5133-7793	( 21 %)	21.259	1547.0
LMB	.066	.049-.084	( 27 %)	11019	9047-12970	( 18 %)	36.245	1511.0
MUE	.026	+- .070	(241 %)	1120	357-1001	( 68 %)	3.603	6190.7
SDH	.001	+- .003	(103 %)	247	+-561	(127 %)	.814	4172.4
SMB	.001	.000-.002	( 47 %)	222	140-305	( 37 %)	.731	172.0
WAE	.004	.002-.007	( 50 %)	1316	776-1856	( 41 %)	4.337	1810.7
YEP	.015	.012-.019	( 22 %)	2470	2010-2967	( 17 %)	8.190	105.7
MSC	.023	+- .048	(111 %)	2023	1441-2605	( 27 %)	6.656	1790
TOT	.244	.179-.309	( 27 %)	35630	31056-40204	( 13 %)	117.204	1292.4

CAUGHT AND CPUE TABLE                    \*\*\* DAY \*\*\*  
 REGION        :=1                    LAKE :=SHABBONA LAKE  
 DISTRICT    :=01                    YEAR :=97  
 ACREAGE     :304                    SAMPLING RATIO :=568/1284 = 44.2%  
 RATIO OF EFFORT HOURS INTERVIEWED := 25709.4/152533.3 = 16.85%  
 NUMBER OF INTERVIEWS: 4960

COMBINED ACROSS STRATA:

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:

LMB BLC CCF YEP BLG WAE SMB MUE SBH  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
CAP	.000	+- .001 (237 %)	11	+-36 (237 %)	.09	.04
FCF	.000	+- .000 (198 %)	49	+-143 (194 %)	.39	.16
GOS	.000	+- .002 (223 %)	44	+-141 (223 %)	.36	.15
GZS	.000	+- .000 (128 %)	21	+-46 (118 %)	.17	.07
WHC	.034	.026-.043 ( 25 %)	9304	6957-11651 ( 25 %)	75.62	30.61
YEB	.008	.003-.012 ( 58 %)	739	369-1109 ( 50 %)	6.00	2.43
MSC	.654	.544-.764 ( 17 %)	111688	97280-126097 ( 13 %)	907.82	367.39
TOT	.697	.587-.807 ( 16 %)	121855	107214-136496 ( 12 %)	990.46	400.84

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
CAP	.000	+- .002 (237 %)	15	+-50 (237 %)	.120	1373.7
FCF	.000	+- .000 (200 %)	27	+-81 (197 %)	.221	560.5
GOS	.000	+- .000 (223 %)	3	+-11 (223 %)	.027	74.4
GZS	.000	+- .000 (147 %)	1	+-3 (134 %)	.009	52.7
WHC	.002	.002-.003 ( 27 %)	621	447-795 ( 28 %)	5.051	66.8
YEB	.007	+- .019 (160 %)	250	27-473 ( 89 %)	2.032	338.5
MSC	.100	.072-.129 ( 28 %)	15244	13192-17296 ( 13 %)	123.906	136.5
TOT	.111	.081-.140 ( 27 %)	16162	14087-18237 ( 13 %)	131.365	132.6

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
CAP	.001	+- .004 (237 %)	33	+-110 (237 %)	.107	3.0285
FCF	.000	+- .000 (200 %)	60	+-178 (197 %)	.197	1.2356
GOS	.000	+- .000 (223 %)	7	+-23 (223 %)	.024	.1641
GZS	.000	+- .000 (147 %)	2	+-6 (134 %)	.008	.1163
WHC	.005	.004-.007 ( 27 %)	1370	986-1753 ( 28 %)	4.506	.1472
YEB	.007	+- .019 (160 %)	250	27-473 ( 89 %)	1.813	.7462



TABLE SHABONA 1997 DAY CREEL FINAL REPORT  
DAYTIME DATA FOR LAKE=SHABONA LAKE CREEL BEGUN IN YEAR=97

SECTION 1 FROM 04/01 TO 04/30  
SECTION 1 FROM 05/01 TO 05/31  
SECTION 1 FROM 06/01 TO 06/15  
SECTION 1 FROM 06/16 TO 08/31  
SECTION 1 FROM 09/01 TO 09/30  
SECTION 1 FROM 10/01 TO 10/31

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.5	4.3 - 4.8 ( 5%)	.1	15.1	459
SHORE	3.4	2.7 - 4.1 ( 20%)	1.3	7.3	25
BOAT & SHORE	4.5	4.3 - 4.7 ( 5%)	.1	15.1	484

260 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
9.8% OF ALL 4963 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	46.3	45.5 - 47.1 ( 2%)	2	723	3599
SUCCESS RATING 1-10?	2.5	2.5 - 2.6 ( 3%)	1	10	3418

IS CATCH ILLEGAL?

CLERK NOTED 31 OUT OF 4963 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT		PARTY SIZE VS. # INTERVIEWS	
		BOAT	SHORE
ANY 3614 ( 72.8%)	BLC 247 ( 5%)	1 848	1 253
MUE 271 ( 5.5%)	WAE 211 ( 4.3%)	2 2136	2 455
BSS 506 ( 10.2%)	BLG 10 ( .2%)	3 662	3 238
LMB 10 ( .2%)	CCF 38 ( .8%)	4 182	4 88
WHC 2 ( 0%)	CAT 54 ( 1.1%)	5 19	5 40
		6 11	6 16
		7	7 7
		8	8 6
		9	9 1
		10+	10+ 1

TABLE SHABBONA 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=SHABBONA LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#MUE	#ANGLERS	#BLC	#ANGLERS	#BLC	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS
0	1049	0	971	16		0	1035	16	
1		1	31	17		1	7	17	
2		2	16	18		2	3	18	
3		3	25	19		3	2	19	
4		4	3	20		4	2	20	
5		5	3	21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#MUE	#ANGLERS	#BLC	#ANGLERS	#BLC	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS
0	1038	0	1026	16		0	1041	16	
1	11	1	22	17		1	8	17	
2		2	1	18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= MUE BLC WHC )

TABLE SHABONA 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=SHABONA LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CCF	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS	#YEP	#ANGLERS	#YEP	#ANGLERS
0	1027	0	996	16		0	1018	16	
1	16	1	33	17		1	21	17	
2	3	2	13	18		2	6	18	
3	2	3	6	19		3	4	19	
4		4		20		4		20	
5		5	1	21		5		21	
6	1	6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CCF	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS	#YEP	#ANGLERS	#YEP	#ANGLERS
0	1015	0	1008	16		0	1006	16	
1	33	1	36	17		1	42	17	
2	1	2	5	18		2	1	18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= CCF BLG YEP )

TABLE SHABONA 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=SHABONA LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SBH	#ANGLERS	#WAE	#ANGLERS	#WAE	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS
0	1049	0	1041	16		0	1041	16	
1		1	8	17		1	8	17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SBH	#ANGLERS	#WAE	#ANGLERS	#WAE	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS
0	1049	0	1011	16		0	960	16	
1		1	38	17		1	77	17	
2		2		18		2	11	18	
3		3		19		3	1	19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= SBH WAE LMB )

TABLE SHABBONA 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=SHABBONA LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

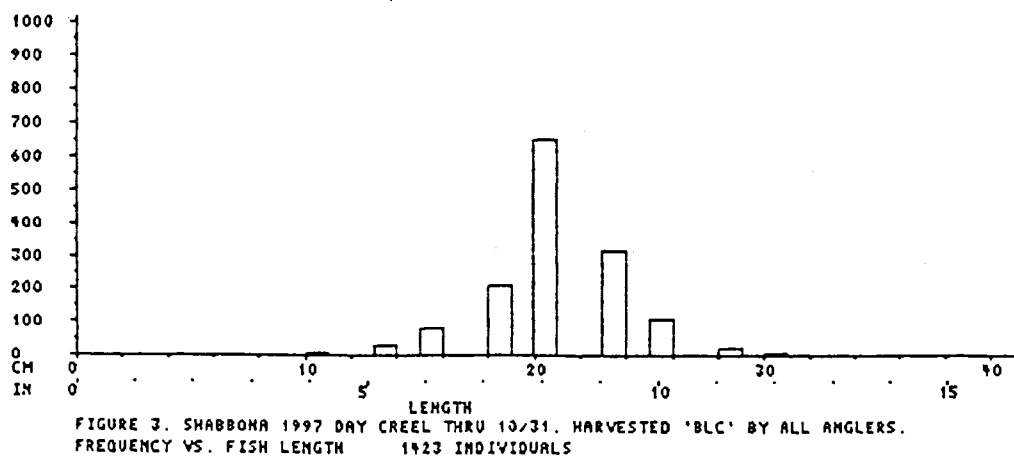
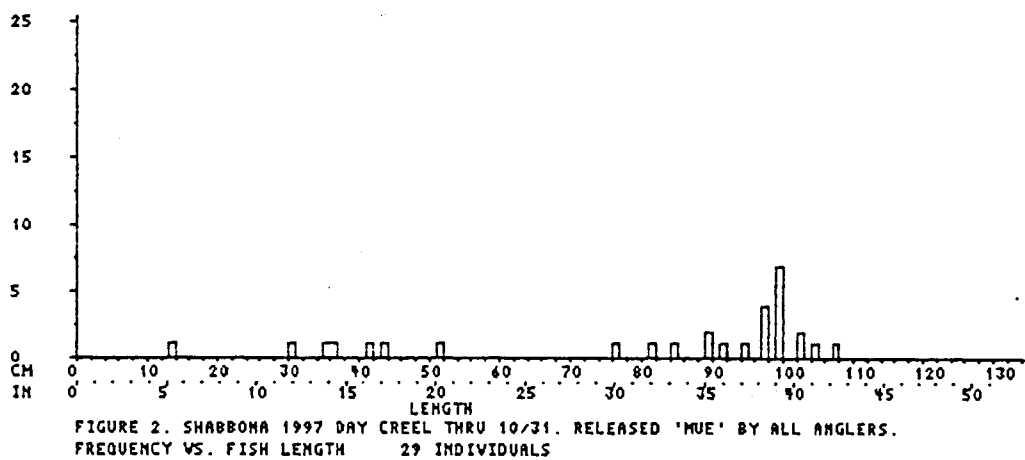
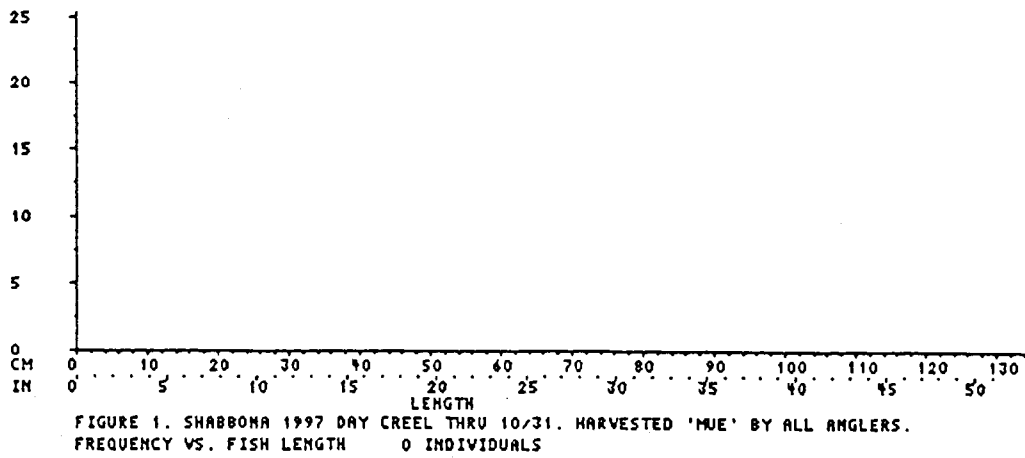
HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SMB	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS	#FCF	#ANGLERS	#FCF	#ANGLERS
0	1047	0	1047	16		0	1049	16	
1	2	1	2	17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#SMB	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS	#FCF	#ANGLERS	#FCF	#ANGLERS
0	1026	0	1031	16		0	1049	16	
1	16	1	11	17		1		17	
2	3	2	4	18		2		18	
3	2	3	3	19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8	2	8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= SMB YEB FCF )



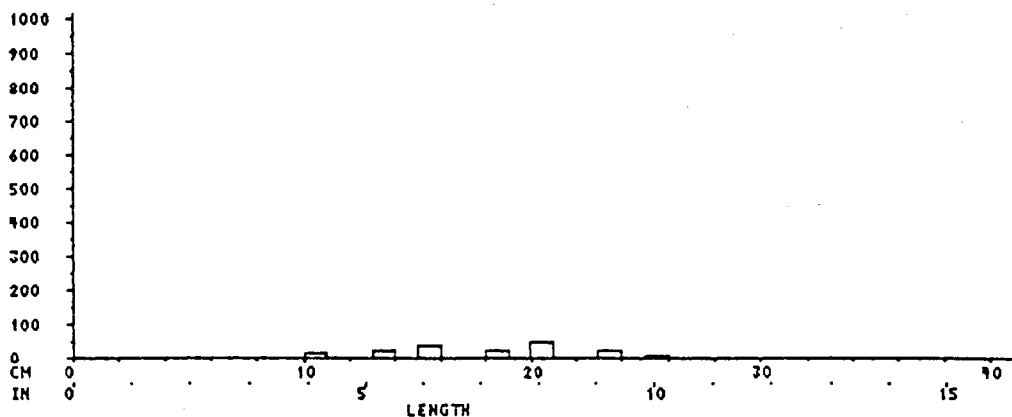


FIGURE 4. SHABBOHA 1997 DAY CREEL THRU 10/31. RELEASED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 178 INDIVIDUALS

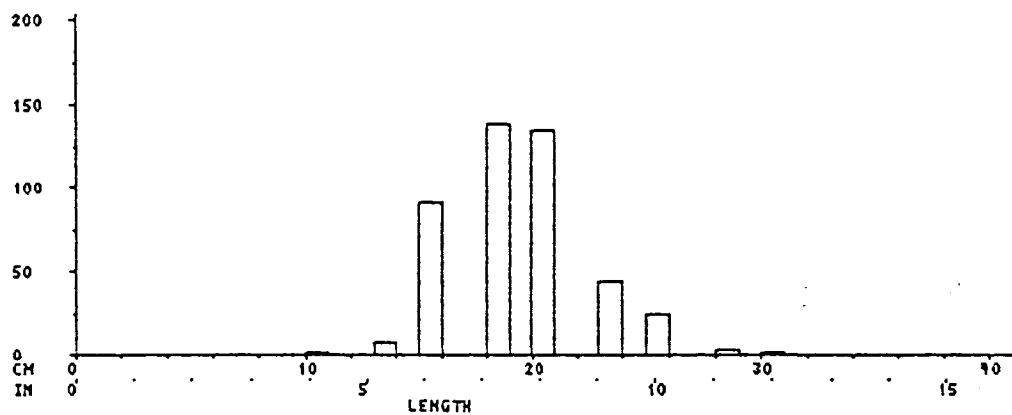


FIGURE 5. SHABBOHA 1997 DAY CREEL THRU 10/31. HARVESTED 'WMC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 445 INDIVIDUALS

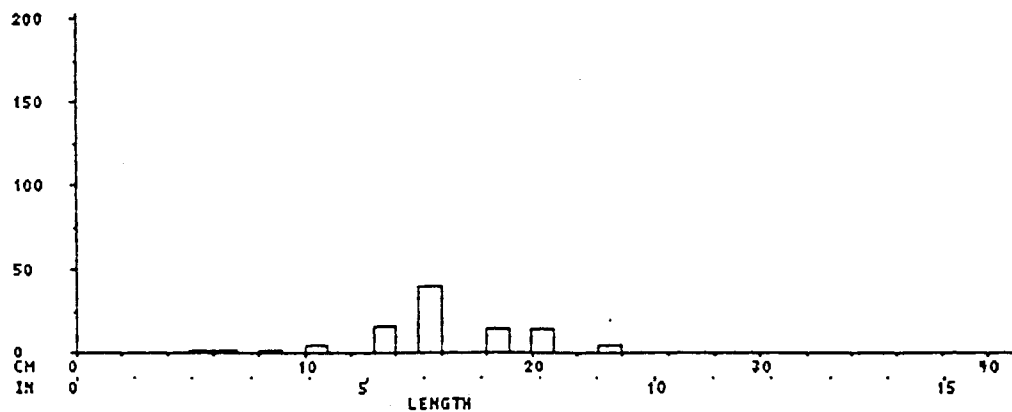


FIGURE 6. SHABBOHA 1997 DAY CREEL THRU 10/31. RELEASED 'WMC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 98 INDIVIDUALS

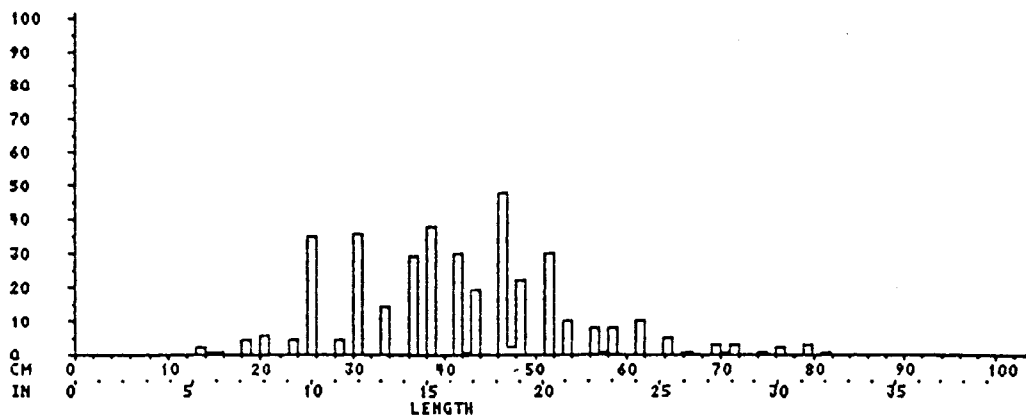


FIGURE 7. SHABBOHA 1997 DAY CREEL THRU 10/31. HARVESTED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 383 INDIVIDUALS

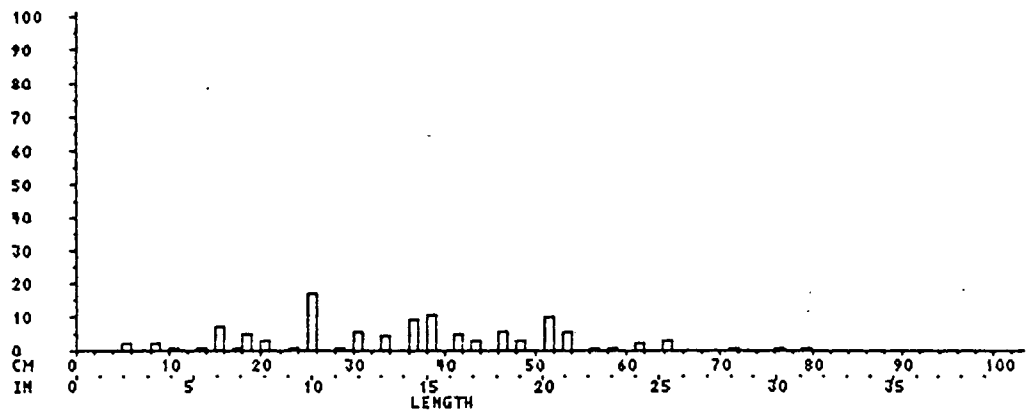


FIGURE 8. SHABBOHA 1997 DAY CREEL THRU 10/31. RELEASED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 119 INDIVIDUALS

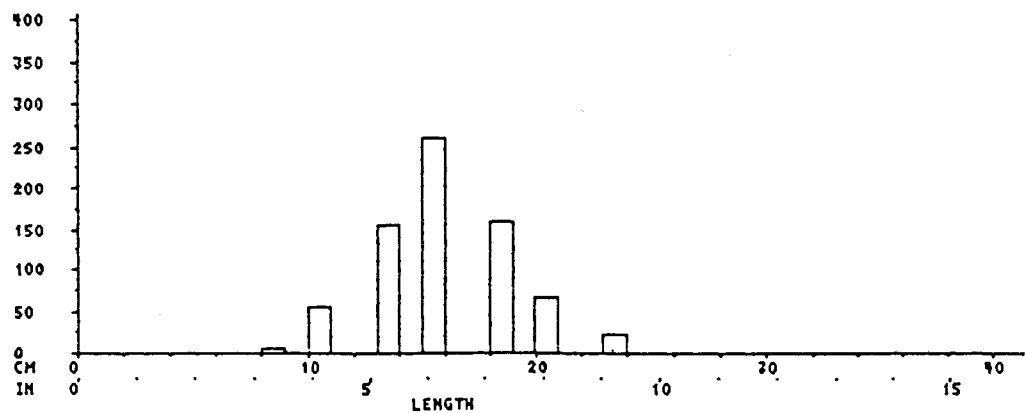


FIGURE 9. SHABBOHA 1997 DAY CREEL THRU 10/31. HARVESTED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 727 INDIVIDUALS



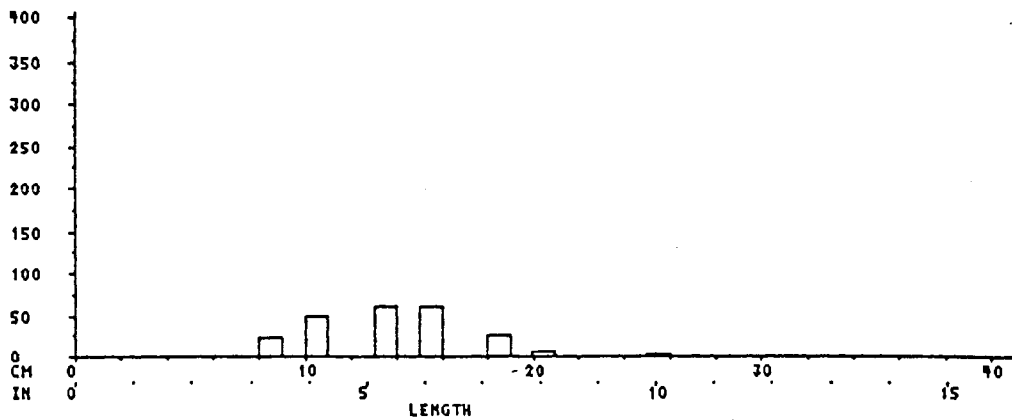


FIGURE 10. SHABBONA 1997 DAY CREEL THRU 10/31. RELEASED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 227 INDIVIDUALS

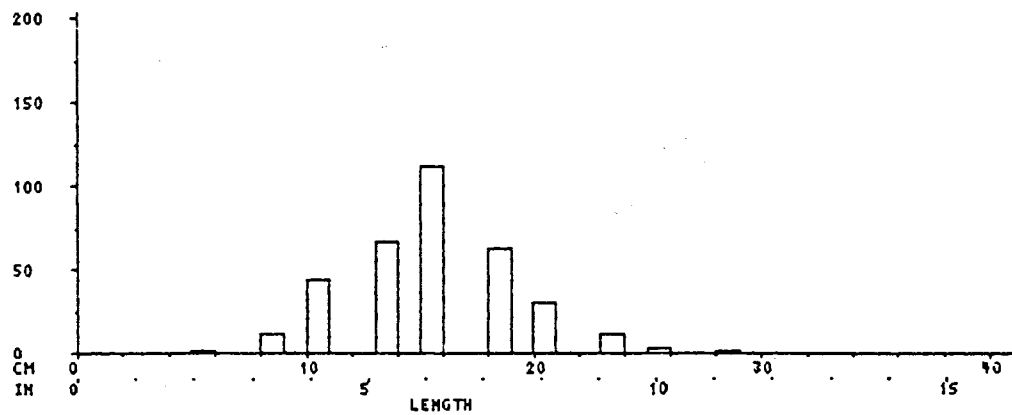


FIGURE 11. SHABBONA 1997 DAY CREEL THRU 10/31. HARVESTED 'YEP' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 344 INDIVIDUALS

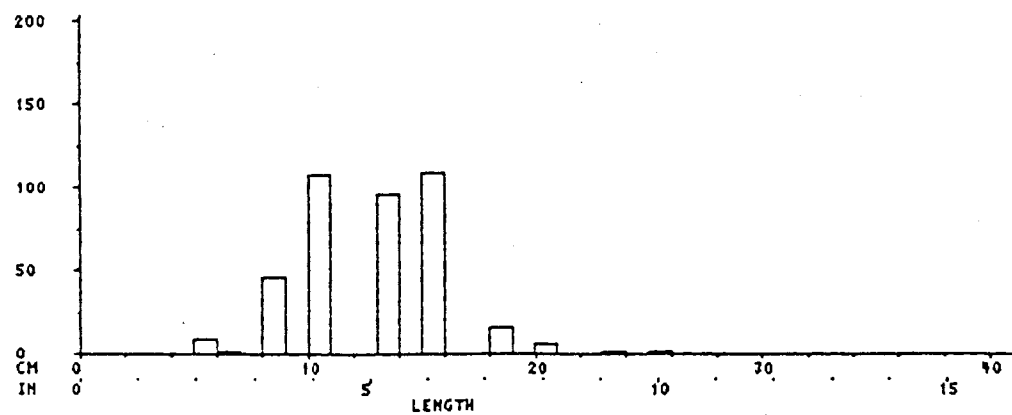


FIGURE 12. SHABBONA 1997 DAY CREEL THRU 10/31. RELEASED 'YEP' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 391 INDIVIDUALS

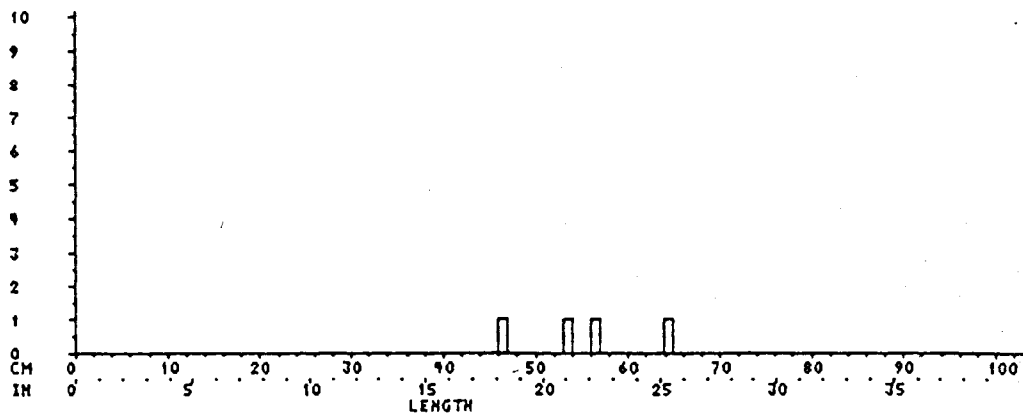


FIGURE 13. SHABBOHA 1997 DAY CREEL THRU 10/31. HARVESTED 'SBH' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 4 INDIVIDUALS

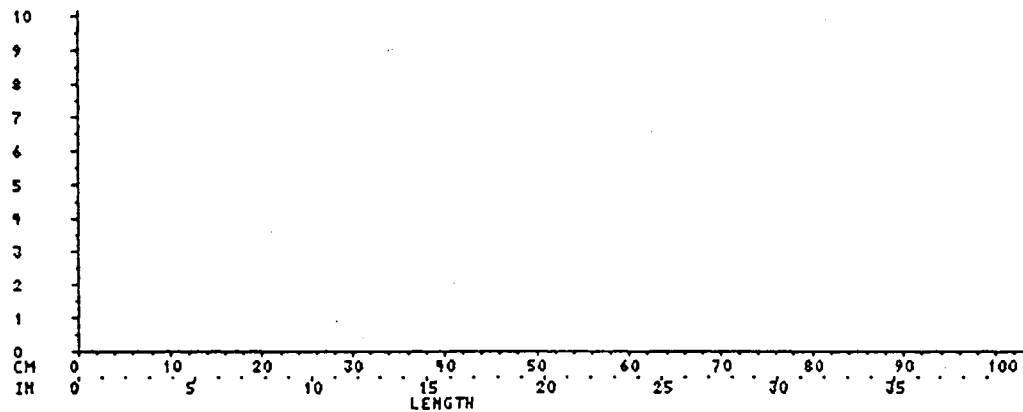


FIGURE 14. SHABBOHA 1997 DAY CREEL THRU 10/31. RELEASED 'SBH' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

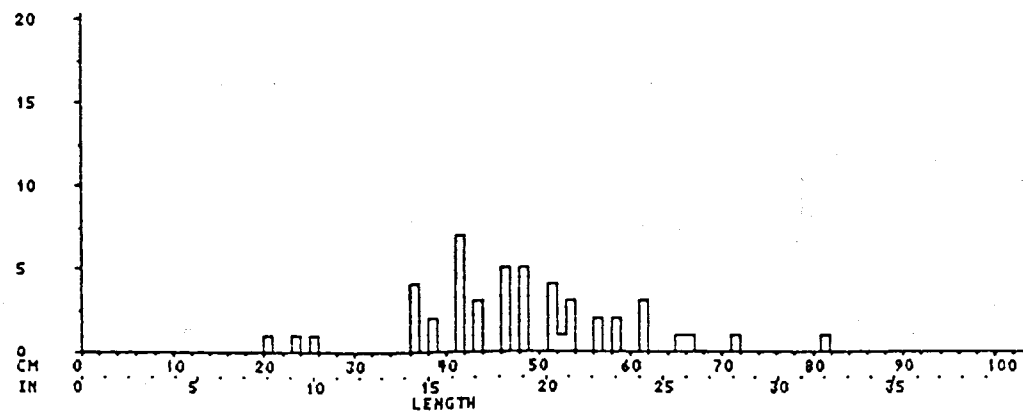


FIGURE 15. SHABBOHA 1997 DAY CREEL THRU 10/31. HARVESTED 'WAE' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 48 INDIVIDUALS

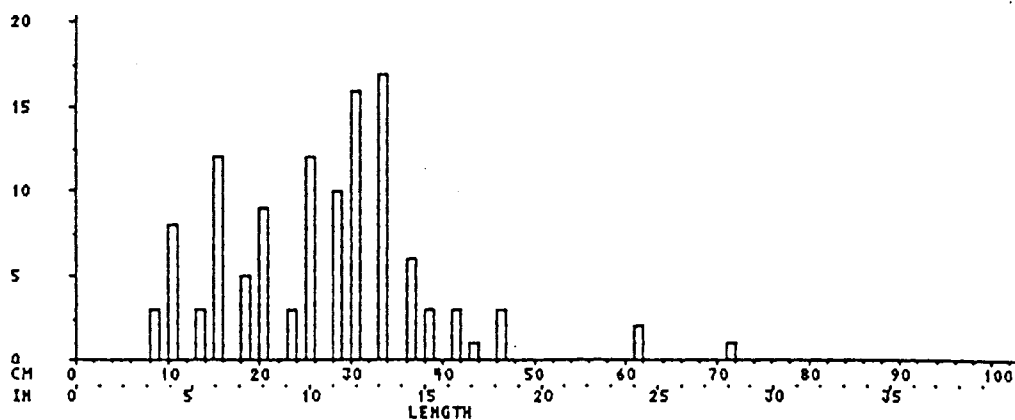


FIGURE 16. SHABBOHA 1997 DAY CREEL THRU 10/31. RELEASED 'MAE' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 117 INDIVIDUALS

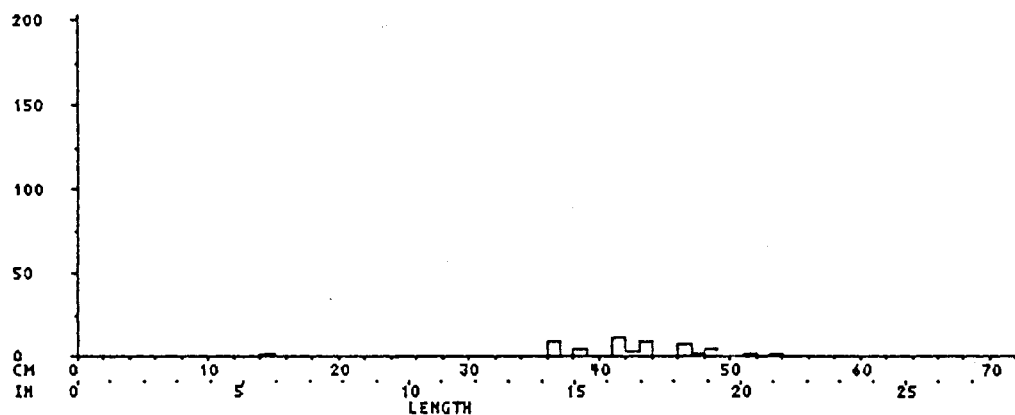


FIGURE 17. SHABBOHA 1997 DAY CREEL THRU 10/31. HARVESTED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 54 INDIVIDUALS

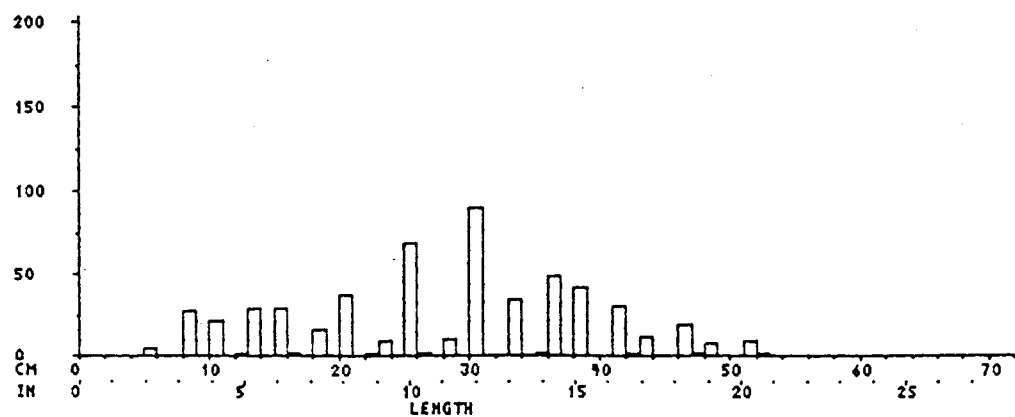


FIGURE 18. SHABBOHA 1997 DAY CREEL THRU 10/31. RELEASED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 548 INDIVIDUALS

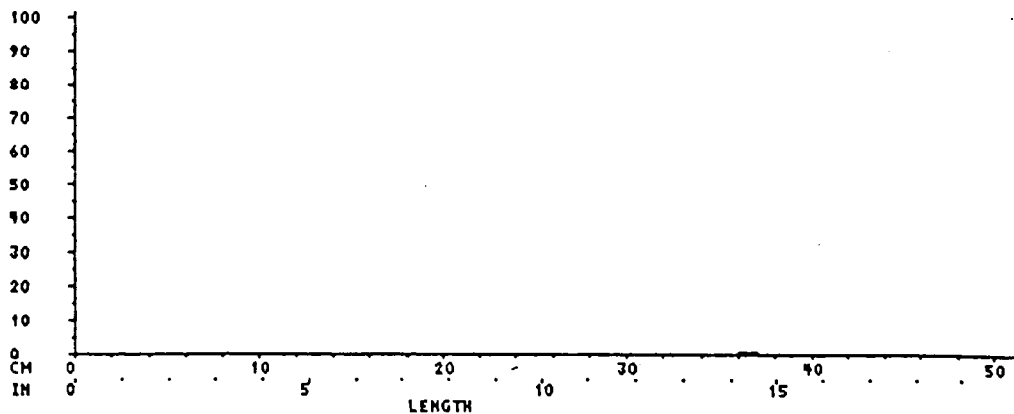


FIGURE 19. SHABBONA 1997 DAY CREEL THRU 10/31. HARVESTED 'SMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1 INDIVIDUALS

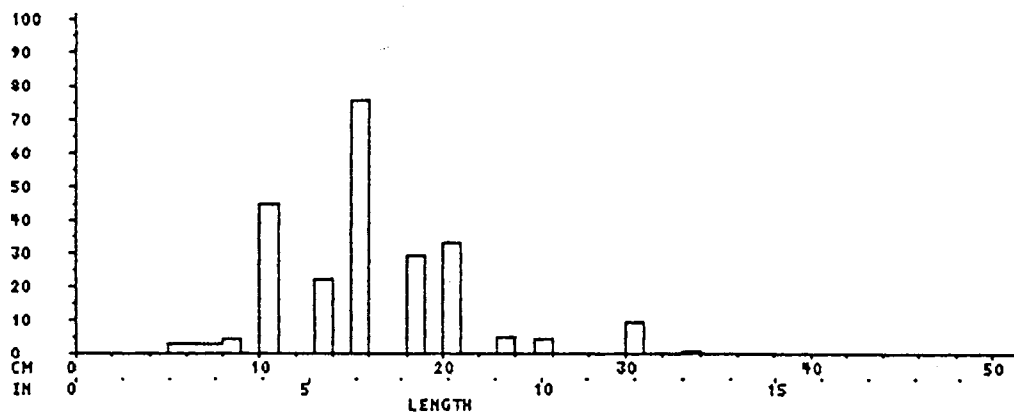


FIGURE 20 SHABBONA 1997 DAY CREEL THRU 10/31. RELEASED 'SMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 237 INDIVIDUALS

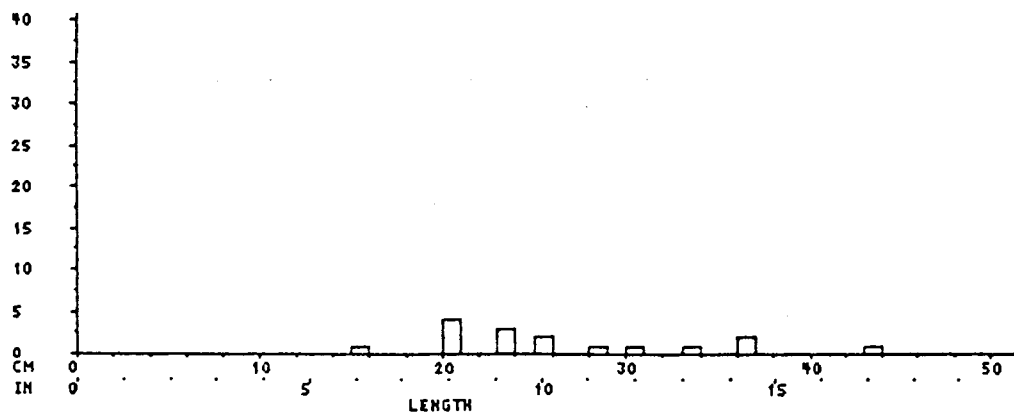


FIGURE 21. SHABBONA 1997 DAY CREEL THRU 10/31. HARVESTED 'YEB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 18 INDIVIDUALS

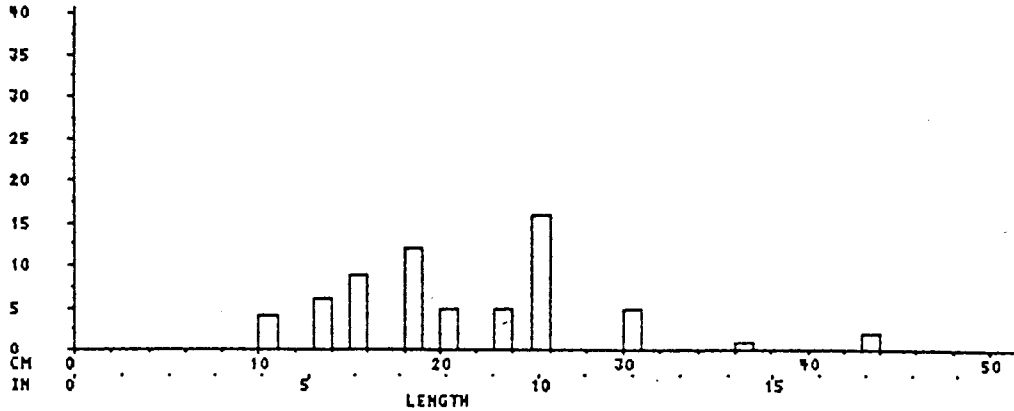


FIGURE 22. SHABBOHA 1997 DAY CREEL THRU 10/31. RELEASED 'YEB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 65 INDIVIDUALS

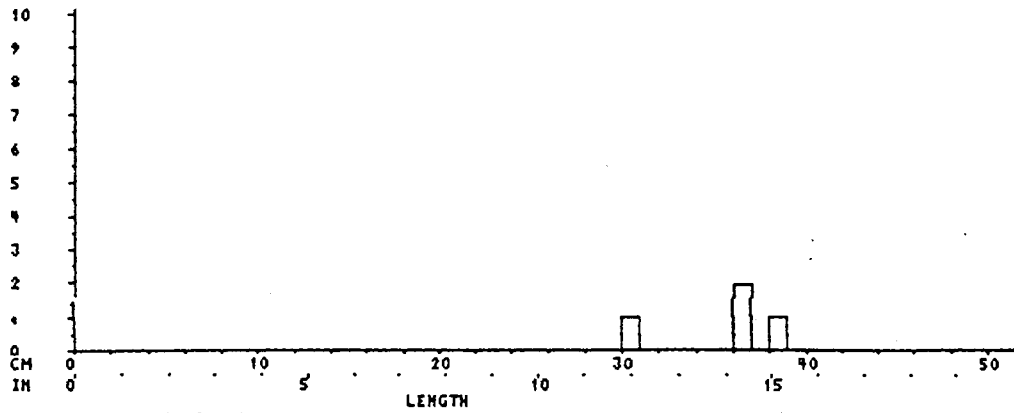


FIGURE 23. SHABBOHA 1997 DAY CREEL THRU 10/31. HARVESTED 'FCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 4 INDIVIDUALS

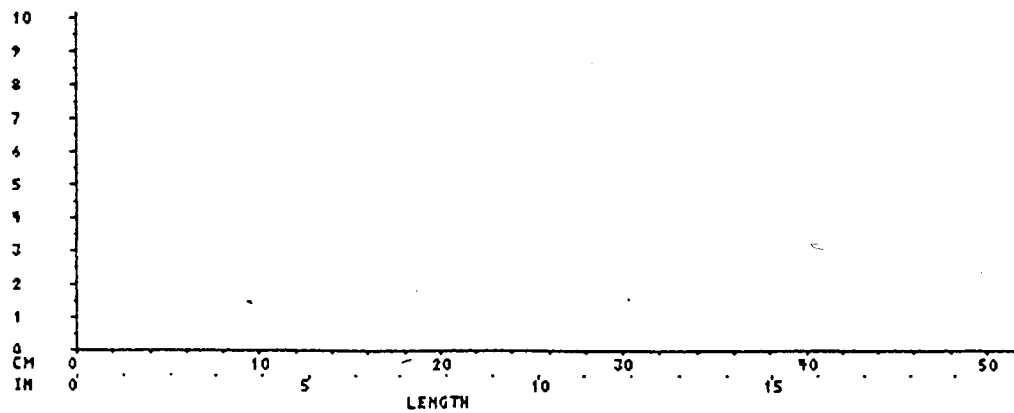


FIGURE 24. SHABBOHA 1997 DAY CREEL THRU 10/31. RELEASED 'FCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=4 LAKE :=SILOAM SPRINGS LAKE  
 DISTRICT :=12 YEAR :=97  
 ACREAGE :=57 SAMPLING RATIO :=311/693 = 44.8%  
 NUMBER OF INTERVIEWS:1567

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

	ANGL HRS	95% CONF INTVL		HRS/ ACRE	95% CONF INTVL		% EFF INTVD
	-----	-----		-----	-----		-----
BOAT FISHING:							
WEEKDAY	3636	2985-4287 ( 18%)		64	52-75 ( 18%)		17.51
WKND/HOL	7047	6222-7872 ( 12%)		124	109-138 ( 12%)		33.93
	-----	-----		-----	-----		-----
STR TOTAL	10683	9645-11721 ( 10%)		187	169-206 ( 10%)		28.34
SHORE FISHING:							
WEEKDAY	5094	4409-5779 ( 13%)		99	77-101 ( 13%)		16.77
WKND/HOL	7934	6782-9086 ( 15%)		139	119-159 ( 15%)		21.95
	-----	-----		-----	-----		-----
STR TOTAL	13028	11754-14302 ( 10%)		229	206-251 ( 10%)		19.93
BOAT/SHORE COALESCED:							
WEEKDAY	8435	7430-9440 ( 12%)		143	130-166 ( 12%)		17.68
WKND/HOL	14772	13159-16385 ( 11%)		259	231-287 ( 11%)		27.97
	-----	-----		-----	-----		-----
STR TOTAL	23207	21347-25067 ( 8%)		407	375-440 ( 8%)		24.23
BOAT/SHORE STRATIFIED:							
WEEKDAY	8732	7798-9666 ( 11%)		153	137-170 ( 11%)		17.03
WKND/HOL	14983	13602-16364 ( 9%)		263	239-287 ( 9%)		27.58
	-----	-----		-----	-----		-----
STR TOTAL	23715	22088-25342 ( 7%)		416	383-445 ( 7%)		23.71

HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION : 4 LAKE : SILOAM SPRINGS LAKE  
 DISTRICT : 12 YEAR : 97  
 ACREAGE : 157 SAMPLING RATIO : 622/1386 = 44.9%  
 RATIO OF EFFORT HOURS INTERVIEWED : 5623.6/23716.9 = 23.71%  
 NUMBER OF INTERVIEWS : 1547

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/03 OF SECTION 1  
 YEAR PERIOD 04/07 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 09/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:  
 YEP ROB CAP BGH LOS BLB  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	N/HR	95% CI	N HARVEST	95% CI	N/HA	N/ACRE
BLG	.074	.033-.117 ( 57 %)	2077	1233-2922 ( 41 %)	99.05	36.45
CCF	.019	.007-.027 ( 49 %)	475	290-670 ( 41 %)	20.59	8.33
GSF	.001	.000-.002 ( 88 %)	36	+1-133 (113 %)	3.73	1.51
LMB	.003	.001-.006 ( 70 %)	126	62-189 ( 51 %)	5.45	2.21
RBT	.101	.075-.129 ( 26 %)	3669	2634-4705 ( 28 %)	159.07	64.38
RSF	.003	.000-.006 ( 82 %)	115	32-193 ( 72 %)	4.98	2.02
SMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAM	.000	+-0.000 (146 %)	7	+-16 (145 %)	.29	.12
WHC	.132	.066-.197 ( 50 %)	4067	2050-6095 ( 50 %)	176.32	71.36
MSC	.000	+-0.001 (102 %)	44	7-77 ( 80 %)	1.71	.77
TOT	.337	.255-.419 ( 24 %)	10466	8212-13121 ( 23 %)	462.37	187.13

SPEC	KG/HR	95% CI	KG HARVEST	95% CI	KG/HA	KG/ACRE
BLG	.008	.004-.012 ( 55 %)	207	120-295 ( 42 %)	9.967	39.3
CCF	.006	.003-.009 ( 47 %)	141	85-198 ( 40 %)	6.122	297.4
GSF	.000	+-0.000 (103 %)	8	+-17 (132 %)	.353	96.0
LMB	.001	.000-.003 ( 86 %)	43	21-66 ( 51 %)	1.893	345.9
RBT	.035	.025-.045 ( 29 %)	1297	916-1679 ( 29 %)	56.242	353.6
RSF	.000	.000-.000 ( 85 %)	17	4-29 ( 74 %)	.722	144.8
SMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAM	.000	+-0.000 (143 %)	1	+-3 (140 %)	.054	197.5
WHC	.016	.008-.024 ( 51 %)	491	256-727 ( 48 %)	21.299	120.8
MSC	.001	+-0.003 (131 %)	65	3-127 ( 95 %)	2.815	1476.1
TOT	.063	.055-.092 ( 20 %)	2272	1905-2739 ( 21 %)	98.484	213.0

SPEC	LB/HR	95% CI	LB HARVEST	95% CI	LB/ACRE	LB/ACRE
BLG	.017	.008-.027 ( 55 %)	457	244-651 ( 42 %)	8.018	.2200
CCF	.013	.007-.019 ( 47 %)	311	197-436 ( 40 %)	5.462	.6556
GSF	.000	+-0.000 (103 %)	19	+-42 (132 %)	.319	.2117
LMB	.003	.000-.006 ( 86 %)	96	47-144 ( 51 %)	1.682	.7625
RBT	.078	.056-.100 ( 29 %)	2360	2019-3701 ( 29 %)	50.179	.7783
RSF	.000	.000-.002 ( 85 %)	37	10-64 ( 74 %)	.644	.3193
SMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAM	.000	+-0.000 (143 %)	3	+-7 (140 %)	.049	.4134
WHC	.035	.017-.054 ( 51 %)	1033	563-1603 ( 48 %)	19.003	.2663
MSC	.003	+-0.006 (131 %)	143	7-290 ( 95 %)	2.511	3.2541
TOT	.151	.121-.180 ( 20 %)	5008	3973-6039 ( 21 %)	87.968	.4696

HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :#4 LAKE :#SILOAM SPRINGS LAKE  
 DISTRICT :#12 YEAR :#97  
 ACREAGE :157 SAMPLING RATIO :#322/1336 = 44.8%  
 RATIO OF EFFORT HOURS INTERVIEWED :# 5623.6/23716.9 = 23.71%  
 NUMBER OF INTERVIEWS: 1567

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MISC SPECIES CAUGHT:  
 RBT WHC LHB BLG CCF RSF GGF WAM SHB  
 SUBSPATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	N/HR	95% CI	N HARVEST	95% CI	N/HA	N/ACRE
BGH	.000	( 0 %)	4	( 0 %)	.17	.07
BLB	*** NOT RECORDED ***		*** NOT RECORDED ***			
CAP	.000	+-0.001 (126 %)	30	-60 ( 79 %)	1.31	.53
LOS	.000	( 0 %)	9	( 0 %)	.37	.15
ROB	.000	+-0.000 (236 %)	1	+-5 (237 %)	.06	.03
YEP	*** NOT RECORDED ***		*** NOT RECORDED ***			
MISC	.334	.254-.417 ( 24 %)	10422	8170-13075 ( 23 %)	460.43	184.34
TOT	.337	.255-.417 ( 24 %)	10666	8212-13121 ( 23 %)	462.39	187.13

SPEC	KG/HR	95% CI	KG HARVEST	95% CI	KG/HA	AVG WT(G)
BGH	.000	( 0 %)		( 0 %)	.031	135.1
BLB	*** NOT RECORDED ***		*** NOT RECORDED ***			
CAP	.001	+-0.003 (135 %)	41	+-123 (101 %)	2.643	2017.7
LOS	.000	( 0 %)	3	( 0 %)	.122	342.0
ROB	.000	+-0.000 (236 %)		+-0.000 (237 %)	.012	195.4
YEP	*** NOT RECORDED ***		*** NOT RECORDED ***			
MISC	.067	.054-.081 ( 20 %)	2207	1750-2664 ( 21 %)	95.670	207.9
TOT	.068	.055-.082 ( 20 %)	2272	1805-2732 ( 21 %)	98.434	213.0

SPEC	LB/HR	95% CI	LB HARVEST	95% CI	LB/ACRE	AVG WT(LB)
BGH	.000	( 0 %)	2	( 0 %)	.029	.4020
BLB	*** NOT RECORDED ***		*** NOT RECORDED ***			
CAP	.003	+-0.006 (135 %)	134	+-270 (101 %)	2.353	4.4462
LOS	.000	( 0 %)	7	( 0 %)	.115	.7694
ROB	.000	+-0.000 (236 %)		+-2 (237 %)	.010	.4307
YEP	*** NOT RECORDED ***		*** NOT RECORDED ***			
MISC	.143	.113-.173 ( 20 %)	4345	3337-5374 ( 21 %)	35.337	.4530
TOT	.151	.121-.180 ( 20 %)	5003	3778-6032 ( 21 %)	37.368	.4696



CAUGHT AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION : 4 LAKE : SILOAM SPRINGS LAKE  
 DISTRICT : 12 YEAR : 97  
 ACREAGE : 157 SAMPLING RATIO : 422/1386 = 44.8%  
 RATIO OF EFFORT HOURS INTERVIEWED : 5623.6/23716.9 = 23.71%  
 NUMBER OF INTERVIEWS : 1567

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 07/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:

YEP ROB CAP BGM LOS BLB

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: CAUGHT

SPEC	N/HR	95% CI	N CAUGHT	95% CI	N/HA	N/ACRE
BLG	.277	.203-.355 ( 27 %)	7473	5712-9233 ( 24 %)	323.95	131.10
CCF	.031	.020-.042 ( 37 %)	802	534-1071 ( 33 %)	34.78	14.03
GSF	.005	.001-.008 ( 71 %)	219	45-373 ( 79 %)	9.50	3.35
LMB	.076	.054-.098 ( 29 %)	1870	1437-2302 ( 23 %)	81.04	32.80
RBT	.164	.102-.227 ( 39 %)	4724	3330-6118 ( 30 %)	204.79	82.89
RSF	.007	.000-.014 ( 93 %)	217	77-336 ( 55 %)	9.39	3.80
SMB	.000	( 0 %)	2	( 0 %)	.11	.05
WAM	.003	.000-.006 ( 87 %)	95	23-167 ( 76 %)	4.13	1.67
WHC	.189	.113-.266 ( 40 %)	6325	3719-9930 ( 41 %)	274.17	110.96
MSC	.014	+- .032 (121 %)	235	97-374 ( 59 %)	10.21	4.13
TOT	.769	.650-.887 ( 16 %)	21762	13323-25602 ( 17 %)	952.07	385.30

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLG	.015	.010-.020 ( 32 %)	411	296-526 ( 28 %)	17.820	55.0
CCF	.008	.005-.010 ( 37 %)	200	135-265 ( 32 %)	8.667	249.2
GSF	.000	.000-.000 ( 78 %)	11	+-24 (109 %)	.492	51.8
LMB	.025	.017-.033 ( 34 %)	599	451-747 ( 25 %)	25.982	320.6
RBT	.054	.037-.071 ( 31 %)	1635	1103-2167 ( 33 %)	70.859	346.0
RSF	.000	+- .002 (101 %)	23	10-36 ( 58 %)	.973	105.8
SMB	.000	( 0 %)	6	( 0 %)	.025	233.7
WAM	.000	.000-.000 ( 65 %)	6	2-9 ( 58 %)	.255	61.7
WHC	.020	.011-.029 ( 43 %)	634	369-899 ( 42 %)	27.485	100.2
MSC	.002	.000-.004 ( 84 %)	86	17-154 ( 80 %)	3.707	363.2
TOT	.125	.104-.146 ( 17 %)	3605	2754-4256 ( 18 %)	156.285	164.2

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BLG	.034	.023-.045 ( 32 %)	906	652-1160 ( 28 %)	15.899	.1213
CCF	.017	.011-.023 ( 37 %)	441	293-584 ( 32 %)	7.733	.5494
GSF	.000	.000-.000 ( 78 %)	25	+-52 (109 %)	.439	.1141
LMB	.055	.036-.074 ( 34 %)	1321	975-1647 ( 25 %)	23.191	.7068
RBT	.118	.081-.156 ( 31 %)	3604	2431-4776 ( 33 %)	63.221	.7628
RSF	.002	+- .003 (101 %)	50	21-80 ( 58 %)	.886	.2332
SMB	.000	( 0 %)	1	( 0 %)	.023	.5151
WAM	.000	.000-.000 ( 65 %)	13	5-20 ( 58 %)	.227	.1360
WHC	.044	.025-.063 ( 43 %)	1398	813-1983 ( 42 %)	24.522	.2210
MSC	.004	.000-.009 ( 84 %)	189	37-340 ( 80 %)	3.307	.2007
TOT	.275	.229-.321 ( 17 %)	7948	6513-9383 ( 18 %)	137.438	.3619

CAUGHT AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION 1=4 LAKE 1=SILOAM SPRINGS LAKE  
 DISTRICT 1=12 YEAR 1=97  
 ACREAGE 157 SAMPLING RATIO 1=622/1393 = 44.8%  
 RATIO OF EFFORT HOURS INTERVIEWED 1= 5623.6/23716.9 = 23.71%  
 NUMBER OF INTERVIEWS: 1567

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/03 OF SECTION 1  
 YEAR PERIOD 04/07 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/15 TO 09/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:  
 RBT MHC LMB BLG CCF RSF GSF WWH SHB  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	N/HR	95% CI	N CAUGHT	95% CI	N/HA	N/ACRE
BGH	.000	( 0 %)	4	( 0 %)	.17	.07
BLB	.000	+- .000 (220 %)	2	+- 4 (220 %)	.09	.04
CAP	.000	+- .001 (107 %)	38	+- 75 ( 99 %)	1.45	.47
LOS	.000	( 0 %)	9	( 0 %)	.37	.15
ROB	.013	+- .030 (134 %)	190	47-312 ( 74 %)	7.79	3.15
YEP	.000	+- .002 (257 %)	4	+- 12 (257 %)	.15	.06
MSC	.755	.636-.874 ( 14 %)	21727	18100-25353 ( 17 %)	941.86	391.17
TOT	.769	.650-.889 ( 14 %)	21962	18323-25602 ( 17 %)	952.07	395.20

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA AVG MT(G)
BGH	.000	( 0 %)		( 0 %)	.031 185.1
BLB	.000	+- .000 (220 %)		+- 2 (220 %)	.039 339.4
CAP	.001	+- .003 (115 %)	72	3-142 ( 96 %)	3.143 1909.1
LOS	.000	( 0 %)	3	( 0 %)	.129 349.0
ROB	.000	+- .000 (113 %)	7	2-12 ( 68 %)	.321 41.2
YEP	.000	+- .000 (257 %)	1	+- 5 (257 %)	.055 364.5
MSC	.123	.102-.143 ( 17 %)	3520	2979-4161 ( 18 %)	152.579 162.0
TOT	.125	.104-.146 ( 17 %)	3605	2954-4256 ( 18 %)	156.285 164.2

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE AVG MT(LB)
BGH	.000	( 0 %)	2	( 0 %)	.028 .4080
BLB	.000	+- .000 (220 %)	1	+- 5 (220 %)	.025 .7482
CAP	.003	+- .007 (115 %)	160	6-313 ( 96 %)	2.804 4.2089
LOS	.000	( 0 %)	7	( 0 %)	.115 .7694
ROB	.000	+- .002 (113 %)	16	5-27 ( 68 %)	.226 .0908
YEP	.000	+- .002 (257 %)	3	+- 10 (257 %)	.047 .8035
MSC	.270	.224-.316 ( 17 %)	7759	6346-9173 ( 18 %)	136.130 .3571
TOT	.275	.229-.321 ( 17 %)	7949	6513-9383 ( 18 %)	137.439 .3619

TABLE SILOAM SPRINGS LAKE 1997 DAY CREEL FINAL REPORT  
DAYTIME DATA FOR LAKE=SILOAM SPRINGS LAKE CREEL BEGUN IN YEAR=97

SECTION 1 FROM 03/15 TO 04/08  
SECTION 1 FROM 04/09 TO 04/30  
SECTION 1 FROM 05/01 TO 05/31  
SECTION 1 FROM 06/01 TO 06/15  
SECTION 1 FROM 06/16 TO 08/31  
SECTION 1 FROM 09/01 TO 09/30  
SECTION 1 FROM 10/01 TO 10/31

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	3.4	3.1 - 3.7 ( 8%)	.7	8.7	137
SHORE	2	1.7 - 2.4 ( 18%)	.2	9	78
BOAT & SHORE	2.9	2.7 - 3.1 ( 8%)	.2	9	215

110 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
14.4% OF ALL 1493 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	57.6	53.9 - 61.3 ( 6%)	1	900	1201
SUCCESS RATING 1-10?	3.7	3.6 - 3.9 ( 4%)	1	10	1159

IS CATCH ILLEGAL?

CLERK NOTED 9 OUT OF 1493 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	594 ( 39.8%)	LMB	185 ( 12.4%)
CCF	131 ( 8.8%)	WHC	151 ( 10.1%)
RBT	322 ( 21.6%)	BLG	98 ( 6.6%)
CAP	12 ( .8%)		

PARTY SIZE VS. # INTERVIEWS

BOAT	SHORE
1 90	1 268
2 326	2 368
3 108	3 138
4 64	4 53
5 10	5 25
6 6	6 16
7 2	7 9
8 1	8 3
9 3	9
10+	10+ 3

TABLE SILOAM SPRINGS LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=SILOAM SPRINGS LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLG	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS	#GSF	#ANGLERS	#GSF	#ANGLERS
0	442	0	477	16		0	479	16	
1	16	1	3	17		1	2	17	
2	5	2		18		2		18	
3	4	3	1	19		3		19	
4		4		20		4		20	
5	8	5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13	2	13		29		13		29	
14		14		30		14		30	
15+	4	15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLG	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS	#GSF	#ANGLERS	#GSF	#ANGLERS
0	391	0	465	16		0	474	16	
1	43	1	15	17		1		17	
2	14	2	1	18		2		18	
3	14	3		19		3		19	
4	3	4		20		4	7	20	
5	6	5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10	4	10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+	6	15		31+		15		31+	

(TAXA FOR L.FREQS.= BLG CCF GSF )

TABLE SILOAM SPRINGS LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=SILOAM SPRINGS LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#LMB	#ANGLERS	#SMB	#ANGLERS	#SMB	#ANGLERS	#RBT	#ANGLERS	#RBT	#ANGLERS
0	470	0	481	16		0	418	16	
1	8	1		17		1	10	17	
2	2	2		18		2	7	18	
3		3		19		3	10	19	
4	1	4		20		4	7	20	
5		5		21		5	29	21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#LMB	#ANGLERS	#SMB	#ANGLERS	#SMB	#ANGLERS	#RBT	#ANGLERS	#RBT	#ANGLERS
0	387	0	481	16		0	447	16	
1	66	1		17		1	11	17	
2	7	2		18		2	14	18	
3	9	3		19		3	3	19	
4	8	4		20		4		20	2
5		5		21		5		21	
6		6		22		6	1	22	
7	4	7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10	1	26	
11		11		27		11	2	27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= LMB SMB RBT )

TABLE SILOAM SPRINGS LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=SILOAM SPRINGS LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#RSF	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS	#WAM	#ANGLERS	#WAM	#ANGLERS
0	469	0	435	16		0	481	16	
1	10	1	7	17		1		17	
2	2	2	20	18	3	2		18	
3		3	2	19		3		19	
4		4	3	20		4		20	
5		5		21		5		21	
6		6	2	22		6		22	
7		7		23		7		23	
8		8	3	24		8		24	
9		9		25		9		25	
10		10	2	26		10		26	
11		11		27		11		27	
12		12	2	28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+	2	15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#RSF	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS	#WAM	#ANGLERS	#WAM	#ANGLERS
0	470	0	443	16		0	475	16	
1	11	1	25	17	1	1	2	17	
2		2	3	18		2	2	18	
3		3	2	19		3	1	19	
4		4	2	20		4		20	
5		5		21		5		21	
6		6	2	22		6		22	
7		7	2	23		7		23	
8		8		24		8	1	24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+	1	15		31+	

(TAXA FOR L.FREQS.= RSF WHC WAM )

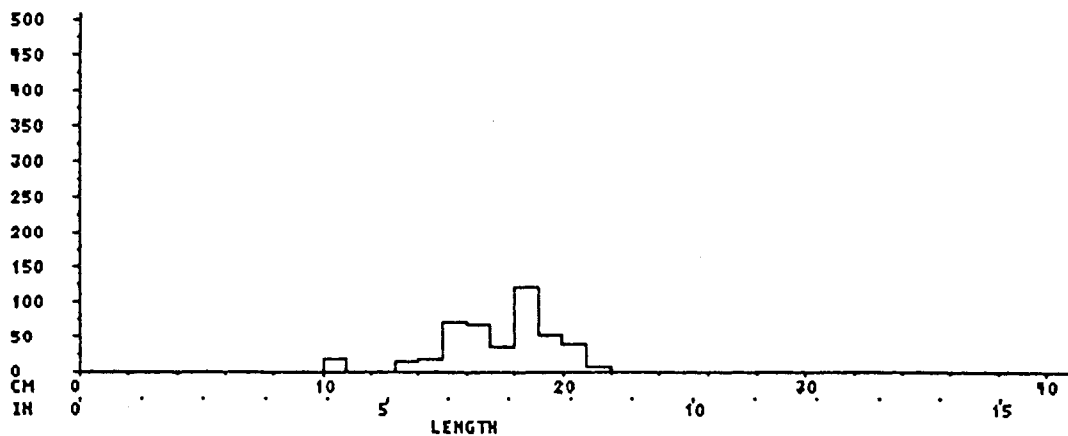


FIGURE 1. SILOAM SPRINGS LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLG' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 454 INDIVIDUALS

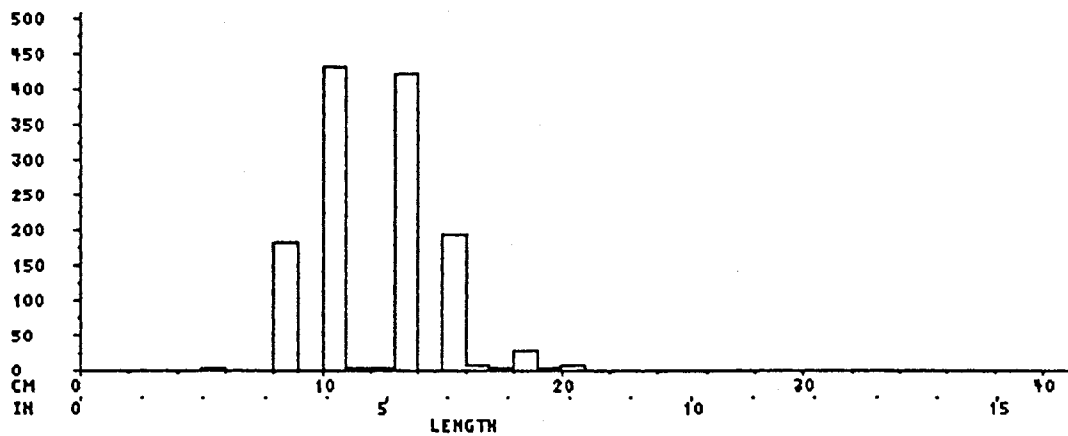


FIGURE 2. SILOAM SPRINGS LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLG' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 1283 INDIVIDUALS

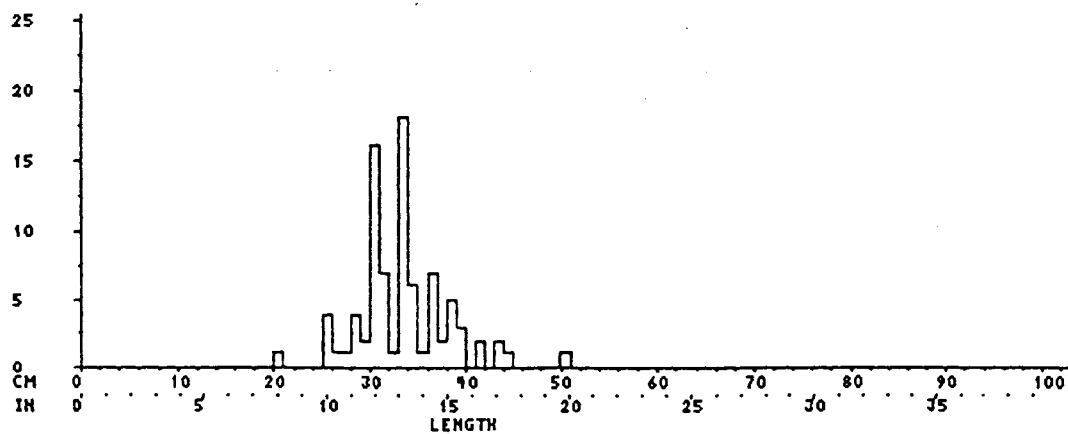
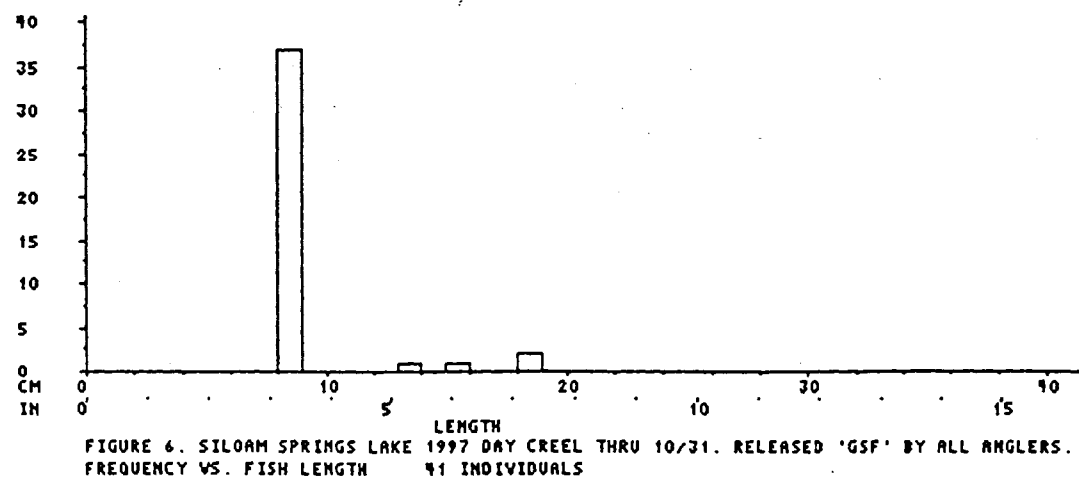
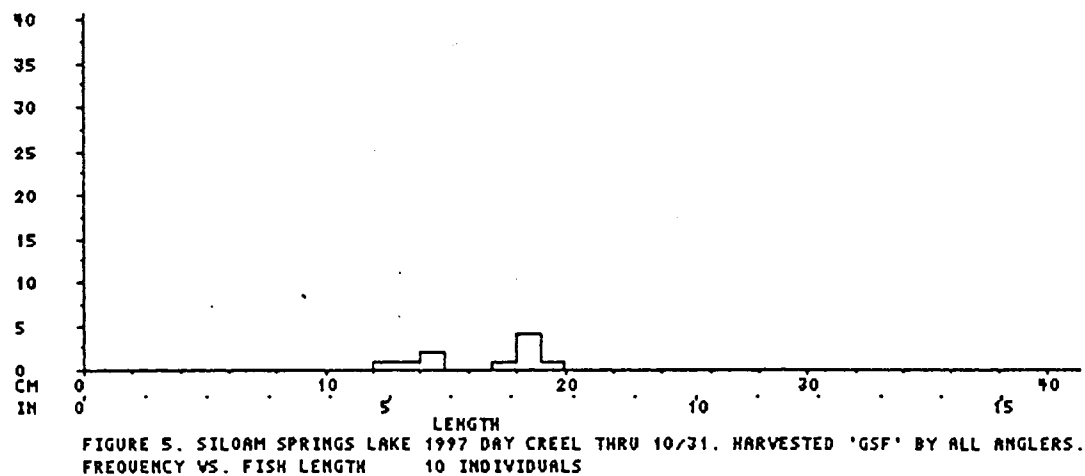
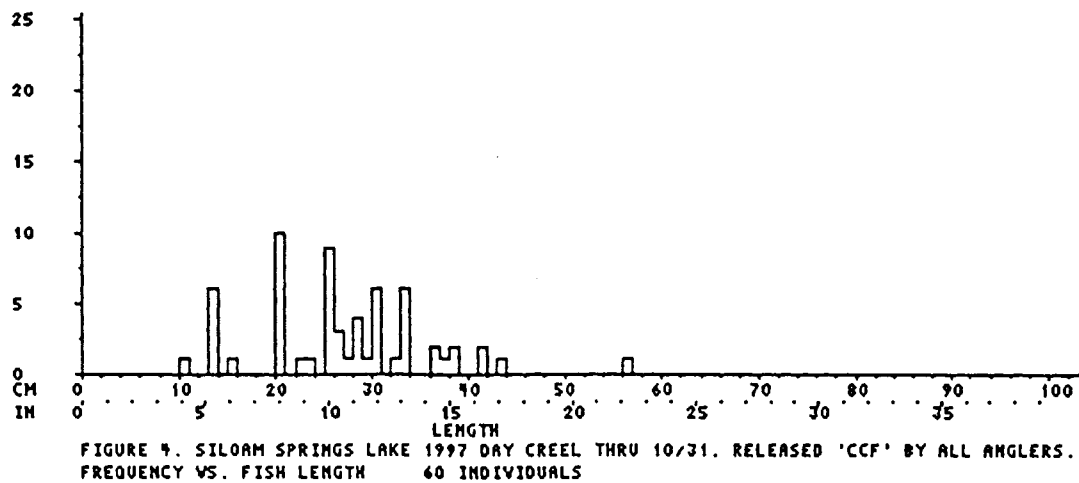


FIGURE 3. SILOAM SPRINGS LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'CCF' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 85 INDIVIDUALS





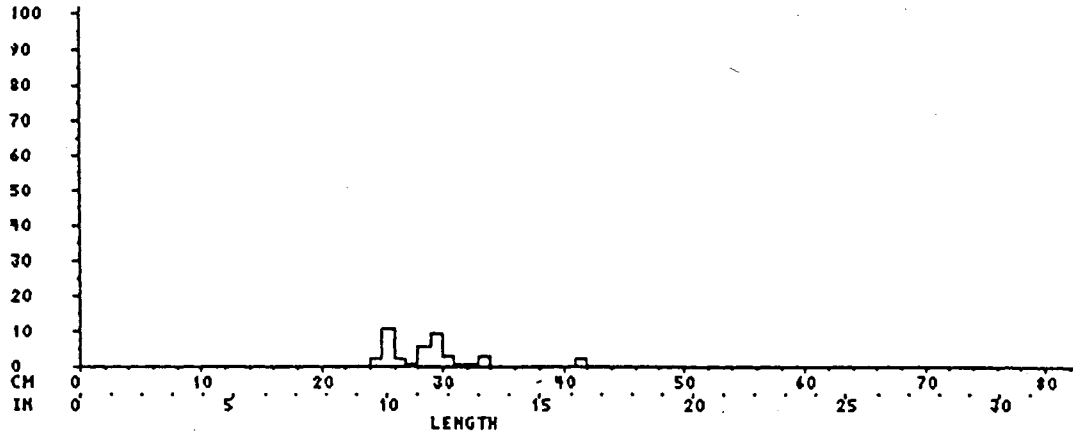


FIGURE 7. SILOAM SPRINGS LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'LMB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 41 INDIVIDUALS

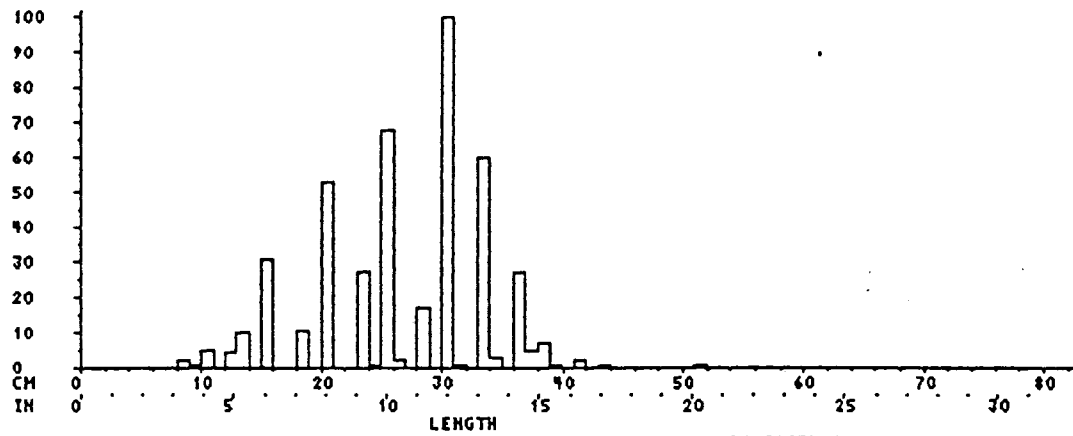


FIGURE 8. SILOAM SPRINGS LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'LMB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 490 INDIVIDUALS

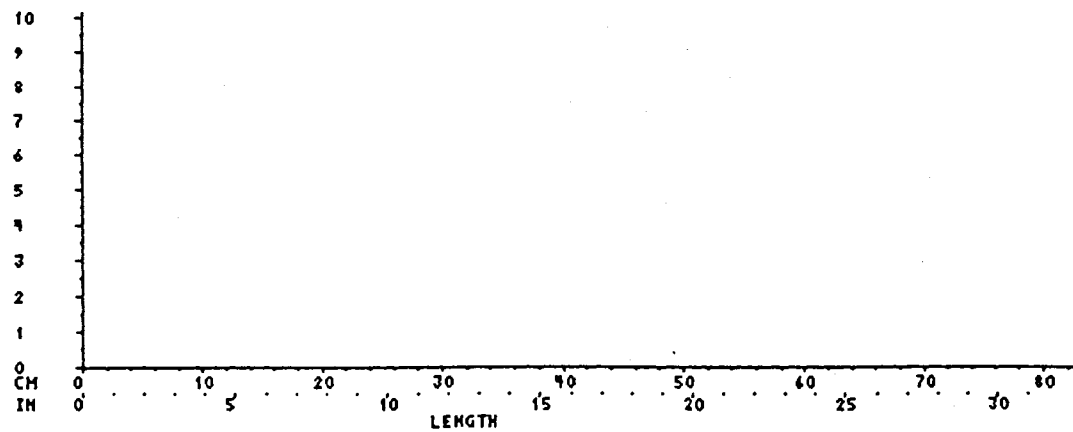
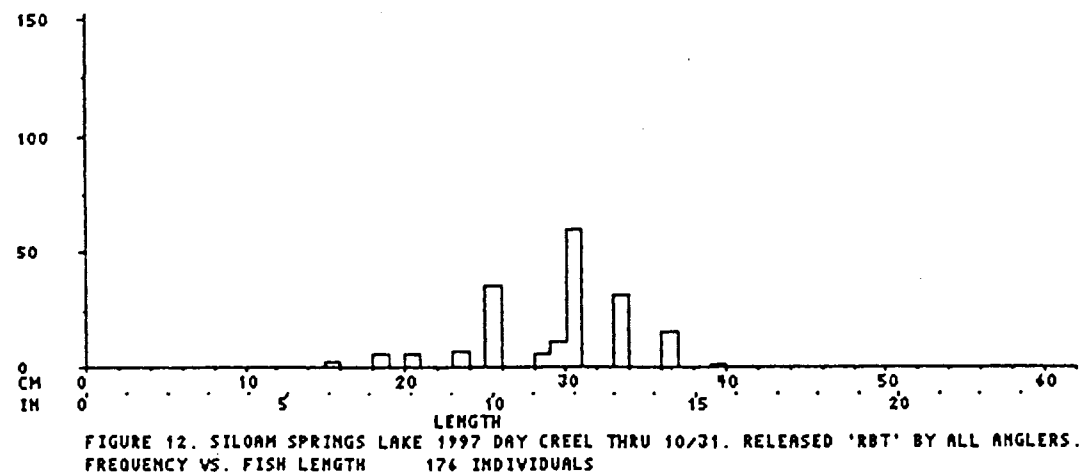
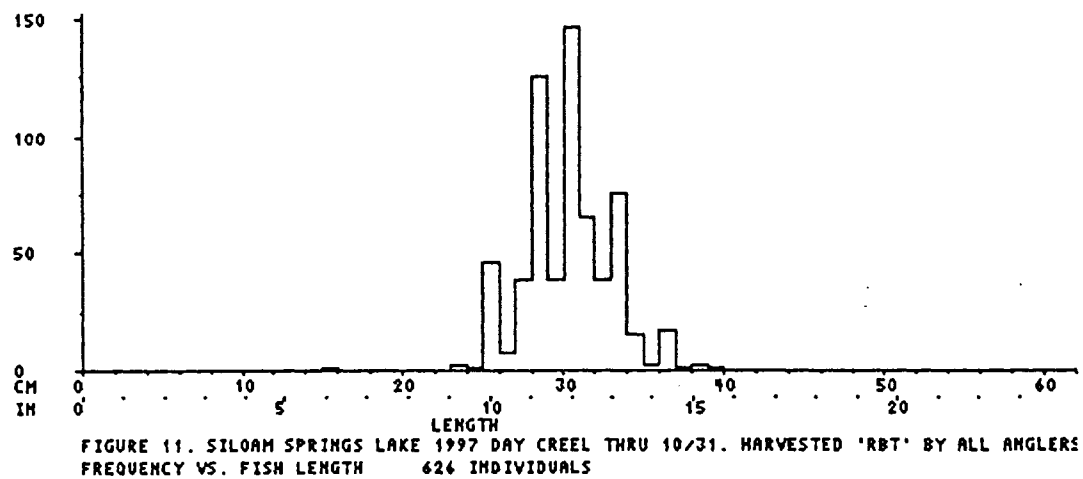
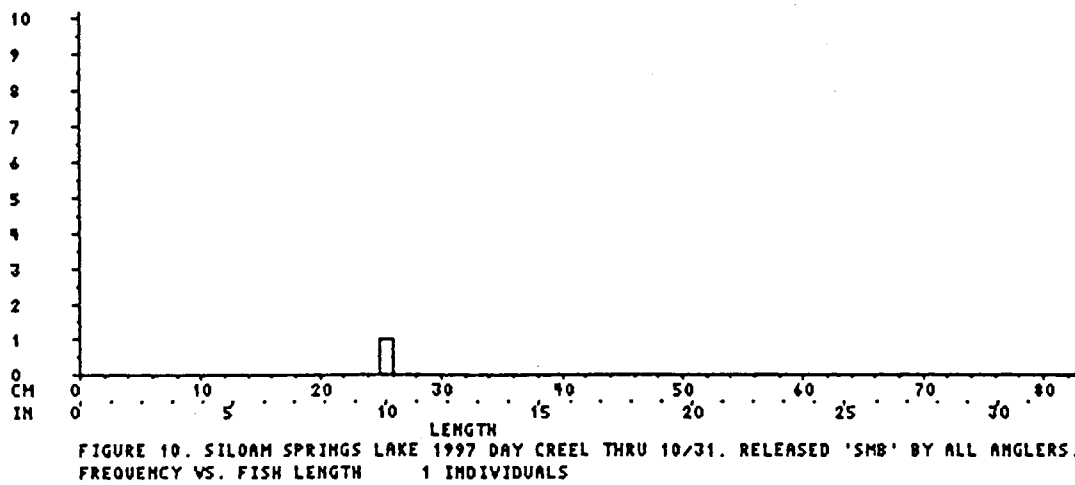


FIGURE 9. SILOAM SPRINGS LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'SMB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS



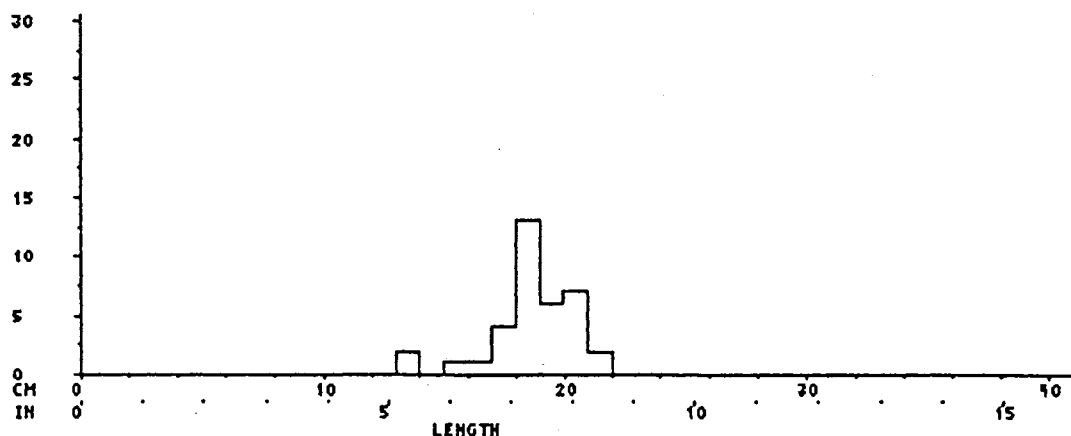


FIGURE 13. SILOAM SPRINGS LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'RSF' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 36 INDIVIDUALS

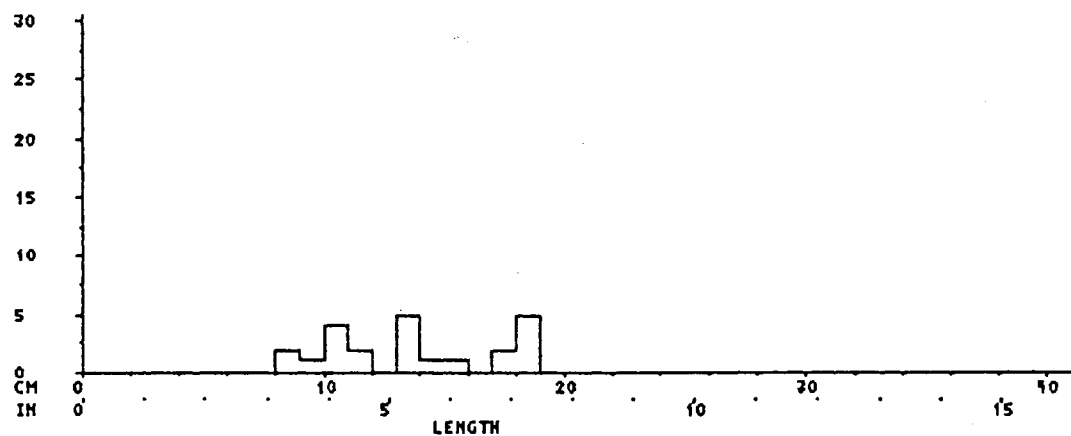


FIGURE 14. SILOAM SPRINGS LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'RSF' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 23 INDIVIDUALS

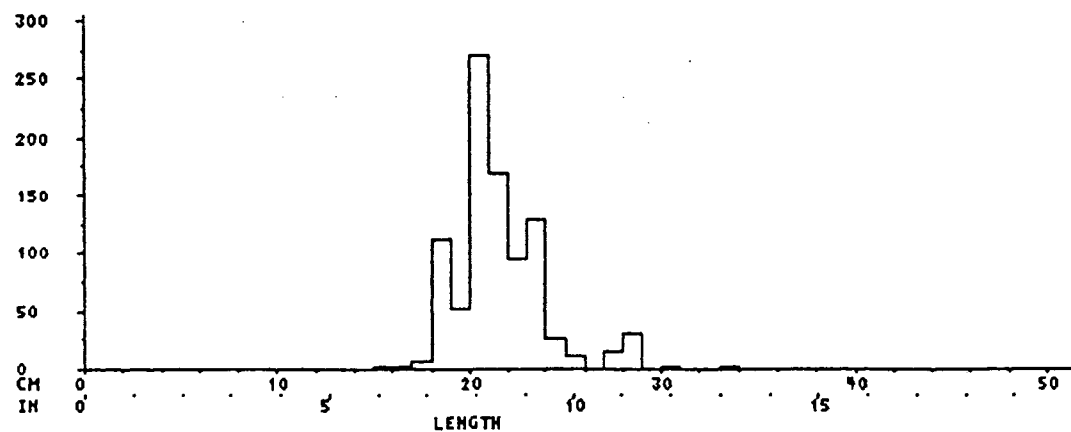


FIGURE 15. SILOAM SPRINGS LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'WHC' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 929 INDIVIDUALS

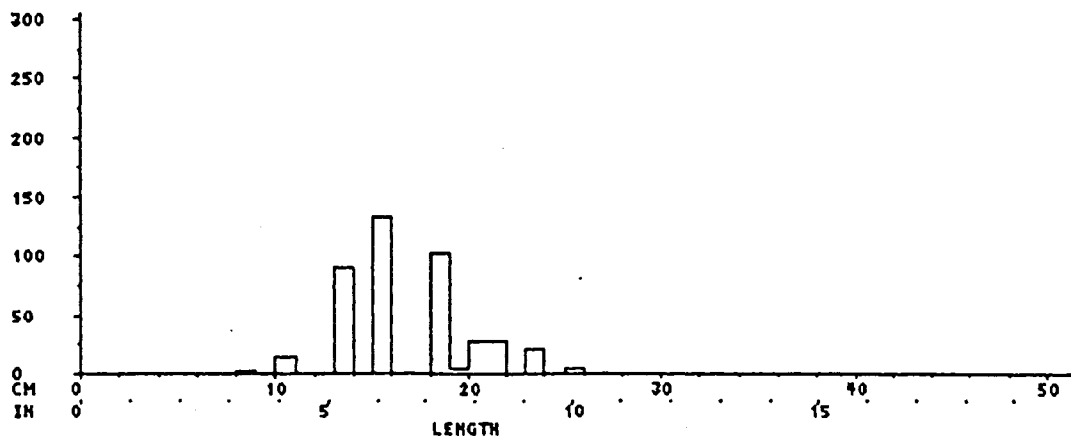


FIGURE 14. SILOAM SPRINGS LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'MHC' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 434 INDIVIDUALS

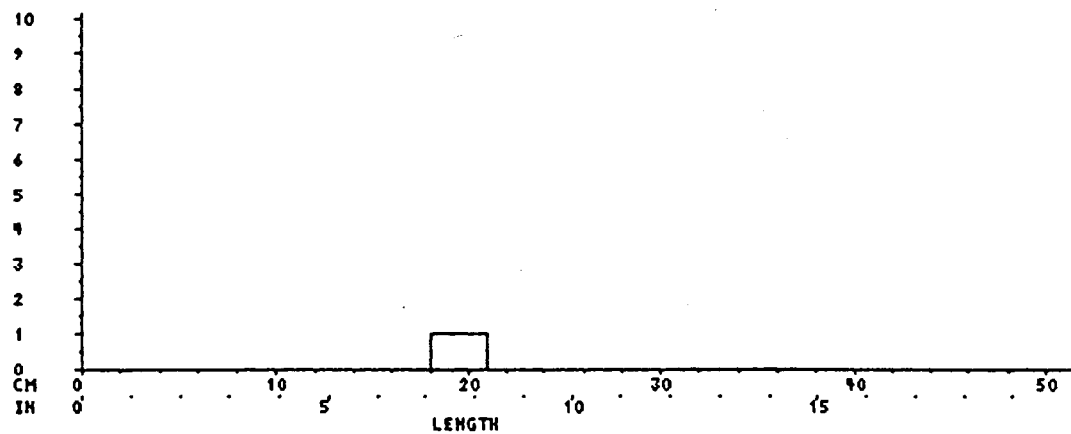


FIGURE 17. SILOAM SPRINGS LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'HAM' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 3 INDIVIDUALS

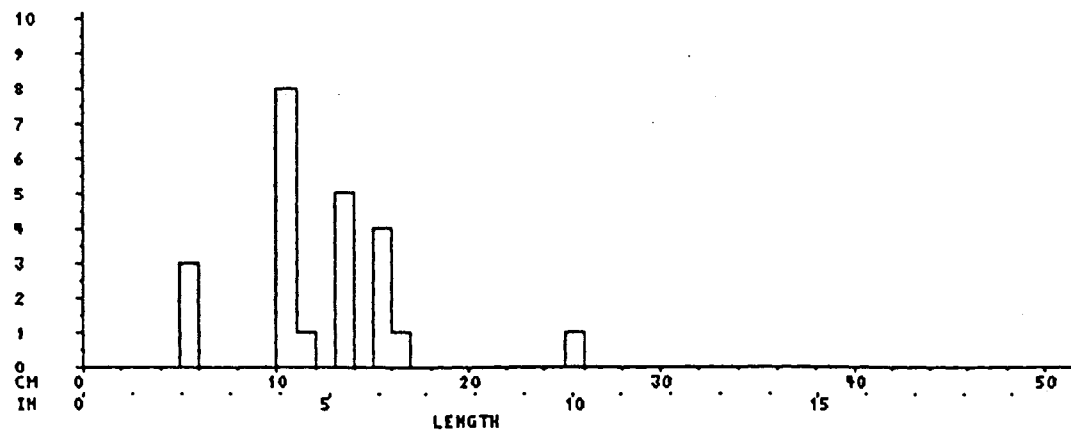


FIGURE 18. SILOAM SPRINGS LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'HAM' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 23 INDIVIDUALS

EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=1 LAKE :=SNAKEDEN HOLLOW LAKE  
 DISTRICT :=03 YEAR :=97  
 ACREAGE :141 SAMPLING RATIO :=213/549 = 38.7%  
 NUMBER OF INTERVIEWS:1093

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1

	ANGL HRS	95% CONF INTVL		HRS/ ACRE	95% CONF INTVL		% EFF INTVD
	-----	-----		-----	-----		-----
BOAT FISHING:							
WEEKDAY	7279	6089-8469 ( 16%)		52	43-60 ( 16%)		17.75
WKND/HOL	9200	7912-10488 ( 14%)		65	56-74 ( 14%)		36.30
STR TOTAL	16479	14830-18128 ( 10%)		117	105-129 ( 10%)		28.11
SHORE FISHING:							
WEEKDAY	1883	1301-2465 ( 31%)		13	9-17 ( 31%)		17.75
WKND/HOL	1465	1040-1890 ( 29%)		10	7-13 ( 29%)		26.75
STR TOTAL	3348	2684-4012 ( 20%)		24	19-28 ( 20%)		21.69
BOAT/SHORE COALESCED:							
WEEKDAY	8964	7732-10196 ( 14%)		64	55-72 ( 14%)		18.14
WKND/HOL	10481	9057-11905 ( 14%)		74	64-84 ( 14%)		35.60
STR TOTAL	19445	17656-21234 ( 9%)		138	125-151 ( 9%)		27.55
BOAT/SHORE STRATIFIED:							
WEEKDAY	9164	7887-10441 ( 14%)		65	56-74 ( 14%)		17.74
WKND/HOL	10667	9351-11983 ( 12%)		76	66-85 ( 12%)		34.98
STR TOTAL	19831	18085-21577 ( 9%)		141	128-153 ( 9%)		27.02

HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :1=1 LAKE :=SNAKEDEN HOLLOW LAKE  
 DISTRICT :=03 YEAR :=97  
 ACREAGE :141 SAMPLING RATIO :=426/1098 = 38.7%  
 RATIO OF EFFORT HOURS INTERVIEWED := 5357.6/19834.3 = 27.01%  
 NUMBER OF INTERVIEWS: 1093

COMBINED ACROSS STRATA:

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1

MSC SPECIES CAUGHT:

SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
ELC	.011	.001-.020 ( 87 %)	415	162-669 ( 61 %)	7.28	2.95
BLG	.079	.049-.109 ( 38 %)	2873	1929-3817 ( 33 %)	50.33	20.38
CCF	.033	.020-.047 ( 41 %)	862	541-1184 ( 37 %)	15.11	6.12
GSF	.003	+- .005 (102 %)	51	12-89 ( 76 %)	.89	.36
LMB	.005	.002-.009 ( 64 %)	173	78-268 ( 55 %)	3.03	1.23
MUE	.000	+- .000 (231 %)	1	+-4 (231 %)	.02	.00
RSF	.000	+- .001 (137 %)	66	+-215 (227 %)	1.15	.47
SMB	.000	+- .000 (223 %)	5	+-16 (223 %)	.09	.04
WAE	.000	.000-.000 ( 89 %)	23	5-40 ( 77 %)	.40	.16
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.132	.098-.166 ( 26 %)	4469	3394-5544 ( 24 %)	78.32	31.70

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
ELC	.003	.000-.005 ( 95 %)	92	41-142 ( 55 %)	1.606	220.7
BLG	.009	.005-.012 ( 37 %)	337	224-450 ( 34 %)	5.911	117.4
CCF	.016	.009-.023 ( 42 %)	419	260-578 ( 38 %)	7.346	486.0
GSF	.000	+- .000 (110 %)	5	-9 ( 84 %)	.085	95.5
LMB	.004	.002-.007 ( 63 %)	131	59-202 ( 55 %)	2.292	755.6
MUE	.000	+- .000 (231 %)	5	+-15 (231 %)	.081	4150.3
RSF	.000	+- .000 (125 %)	17	+-47 (179 %)	.298	258.9
SMB	.000	+- .000 (223 %)	4	+-13 (223 %)	.071	822.6
WAE	.000	.000-.000 ( 77 %)	19	4-34 ( 79 %)	.333	838.9
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.032	.024-.041 ( 26 %)	1028	805-1252 ( 22 %)	18.023	230.1

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
ELC	.006	.000-.012 ( 95 %)	202	90-314 ( 55 %)	1.433	.4065
BLG	.019	.012-.026 ( 37 %)	744	494-993 ( 34 %)	5.273	.2588
CCF	.036	.021-.051 ( 42 %)	924	574-1274 ( 38 %)	6.554	1.0715
GSF	.000	+- .001 (110 %)	11	2-20 ( 84 %)	.076	.2106
LMB	.009	.003-.015 ( 63 %)	288	131-446 ( 55 %)	2.045	1.6657
MUE	.000	+- .000 (231 %)	10	+-34 (231 %)	.072	9.1497
RSF	.000	+- .000 (125 %)	38	+-105 (179 %)	.266	.5708
SMB	.000	+- .000 (223 %)	9	+-29 (223 %)	.063	1.8135
WAE	.000	.000-.001 ( 79 %)	42	9-75 ( 79 %)	.297	1.8474
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.072	.053-.090 ( 26 %)	2267	1774-2761 ( 22 %)	16.080	.5073

CAUGHT AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :1 LAKE :SNAKEDEN HOLLOW LAKE  
 DISTRICT :03 YEAR :97  
 ACREAGE :141 SAMPLING RATIO :426/1098 = 38.7%  
 RATIO OF EFFORT HOURS INTERVIEWED : 5357.6/19834.3 = 27.01%  
 NUMBER OF INTERVIEWS: 1093

COMBINED ACROSS STRATA:

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1

MSC SPECIES CAUGHT:

SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLC	.032	.006-.057 ( 80 %)	1118	439-1797 ( 61 %)	19.59	7.93
BLG	.319	.223-.415 ( 30 %)	9228	7138-11318 ( 23 %)	161.71	65.45
CCF	.047	.029-.065 ( 39 %)	1191	779-1603 ( 35 %)	20.88	8.45
GSF	.006	.001-.011 ( 77 %)	235	+-595 (134 %)	4.46	1.81
LMB	.115	.084-.145 ( 27 %)	2987	2499-3475 ( 16 %)	52.35	21.19
MUE	.006	+--.016 (181 %)	58	17-100 ( 72 %)	1.02	.42
RSF	.004	+--.011 (155 %)	99	+-238 (140 %)	1.74	.71
SMB	.000	+--.000 (173 %)	14	+-33 (138 %)	.24	.10
WAE	.000	.000-.000 ( 79 %)	29	9-48 ( 68 %)	.51	.21
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.529	.425-.633 ( 20 %)	14979	12545-17413 ( 16 %)	262.50	106.24

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLC	.005	.000-.009 ( 90 %)	153	72-233 ( 53 %)	2.677	136.7
BLG	.017	.012-.021 ( 25 %)	596	438-754 ( 26 %)	10.449	64.6
CCF	.019	.012-.026 ( 37 %)	504	333-674 ( 34 %)	8.825	422.8
GSF	.000	.000-.000 ( 79 %)	14	+-30 (114 %)	.242	54.3
LMB	.056	.016-.095 ( 71 %)	1380	1113-1646 ( 19 %)	24.179	461.9
MUE	.014	+--.036 (162 %)	194	73-315 ( 62 %)	3.404	3335.1
RSF	.000	+--.001 (113 %)	24	+-51 (116 %)	.414	237.2
SMB	.000	+--.000 (149 %)	7	+-18 (145 %)	.125	519.2
WAE	.000	.000-.000 ( 73 %)	22	6-38 ( 73 %)	.387	764.9
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.112	.076-.147 ( 32 %)	2893	2496-3291 ( 14 %)	50.702	193.2

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BLC	.011	.001-.020 ( 90 %)	337	159-515 ( 53 %)	2.389	.3013
BLG	.036	.027-.046 ( 25 %)	1314	966-1663 ( 26 %)	9.323	.1424
CCF	.043	.027-.058 ( 37 %)	1110	734-1486 ( 34 %)	7.874	.9320
GSF	.000	.000-.002 ( 79 %)	30	+-65 (114 %)	.216	.1198
LMB	.123	.036-.209 ( 71 %)	3042	2455-3629 ( 19 %)	21.572	1.0183
MUE	.031	+--.080 (162 %)	428	161-695 ( 62 %)	3.037	7.3525
RSF	.001	+--.003 (113 %)	52	+-112 (116 %)	.369	.5229
SMB	.000	+--.000 (149 %)	16	+-39 (145 %)	.112	1.1446
WAE	.000	.000-.001 ( 73 %)	49	13-84 ( 73 %)	.345	1.6862
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.246	.168-.324 ( 32 %)	6378	5502-7254 ( 14 %)	45.237	.4258

TABLE SNAKEDEN HOLLOW 1997 DAY CREEL FINAL REPORT  
 DAYTIME DATA FOR LAKE=SNAKEDEN HOLLOW LAKE CREEL BEGUN IN YEAR=97

SECTION 1 FROM 04/01 TO 04/30  
 SECTION 1 FROM 05/01 TO 05/31  
 SECTION 1 FROM 06/01 TO 06/15  
 SECTION 1 FROM 06/16 TO 08/31  
 SECTION 1 FROM 09/01 TO 09/30

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HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	3.7	3.5 - 3.8 ( 5%)	.3	13.9	537
SHORE	1.5	1.3 - 1.7 ( 15%)	.3	7.5	95
BOAT & SHORE	3.3	3.2 - 3.5 ( 5%)	.3	13.9	632

144 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
 65.3% OF ALL 968 INTERVIEWS WERE COMPLETED TRIPS

---

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	31.5	30.3 - 32.8 ( 4%)	2	170	882
SUCCESS RATING 1-10?	3.8	3.6 - 4 ( 5%)	1	10	872

IS CATCH ILLEGAL?  
 CLERK NOTED 26 OUT OF 968 INTERVIEWS HAD ILLEGAL CATCHES

---

# INTERVIEWS (AND %) PER SPECIES SOUGHT				PARTY SIZE VS. # INTERVIEWS	
				BOAT	SHORE
ANY	376 ( 38.8%)	MUE	83 ( 8.6%)	1	169
LMB	279 ( 28.8%)	WAE	3 ( .3%)	2	461
CRP	11 ( 1.1%)	BLC	29 ( 3%)	3	89
CCF	42 ( 4.3%)	CAT	64 ( 6.6%)	4	16
BLG	81 ( 8.4%)			5	2
				6	
				7	
				8	
				9	
				10+	
					10+



TABLE SNAKEDEN HOLLOW 1997 DAY CREEL FINAL REPORT CONTINUED

DAYTIME DATA FOR LAKE=SNAKEDEN HOLLOW LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS
0	1226	0	1132	16		0	1176	16	
1	13	1	37	17		1	32	17	
2	7	2	20	18		2	18	18	
3	4	3	9	19		3	10	19	
4	4	4	5	20		4	4	20	
5	3	5	15	21		5	8	21	
6		6	5	22		6	12	22	
7	3	7	6	23		7		23	
8		8	7	24		8		24	
9		9		25		9		25	
10		10	24	26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS
0	1207	0	926	16		0	1201	16	
1	37	1	102	17		1	48	17	
2	5	2	65	18		2	7	18	
3	2	3	55	19		3		19	
4	2	4	14	20	3	4	1	20	
5		5	19	21		5		21	
6	1	6	11	22		6	2	22	
7	4	7	15	23		7		23	
8	1	8	18	24		8		24	
9		9		25	2	9	1	25	
10	1	10	11	26		10		26	
11		11		27		11		27	
12		12	2	28		12		28	
13		13	4	29		13		29	
14		14		30	5	14		30	
15+		15	8	31+		15		31+	

(TAXA FOR L.FREQS.= BLC BLG CCF )

TABLE SNAKEDEN HOLLOW 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=SNAKEDEN HOLLOW LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#GSF	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS	#MUE	#ANGLERS	#MUE	#ANGLERS
0	1254	0	1222	16		0	1258	16	
1	4	1	31	17		1	2	17	
2	2	2	4	18		2		18	
3		3	2	19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10	1	26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#GSF	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS	#MUE	#ANGLERS	#MUE	#ANGLERS
0	1248	0	886	16	1	0	1253	16	
1	3	1	219	17		1	7	17	
2	4	2	84	18		2		18	
3	2	3	38	19		3		19	
4		4	16	20		4		20	
5		5	3	21		5		21	
6		6	10	22		6		22	
7	3	7		23		7		23	
8		8	2	24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15	1	31+		15		31+	

(TAXA FOR L.FREQS.= GSF LMB MUE )

TABLE SNAKEDEN HOLLOW 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE-SNAKEDEN HOLLOW LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#RSF	#ANGLERS	#SMB	#ANGLERS	#SMB	#ANGLERS	#WAE	#ANGLERS	#WAE	#ANGLERS
0	1251	0	1258	16		0	1248	16	
1	9	1	2	17		1	12	17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#RSF	#ANGLERS	#SMB	#ANGLERS	#SMB	#ANGLERS	#WAE	#ANGLERS	#WAE	#ANGLERS
0	1257	0	1258	16		0	1255	16	
1	3	1	1	17		1	5	17	
2		2	1	18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= RSF SMB WAE )

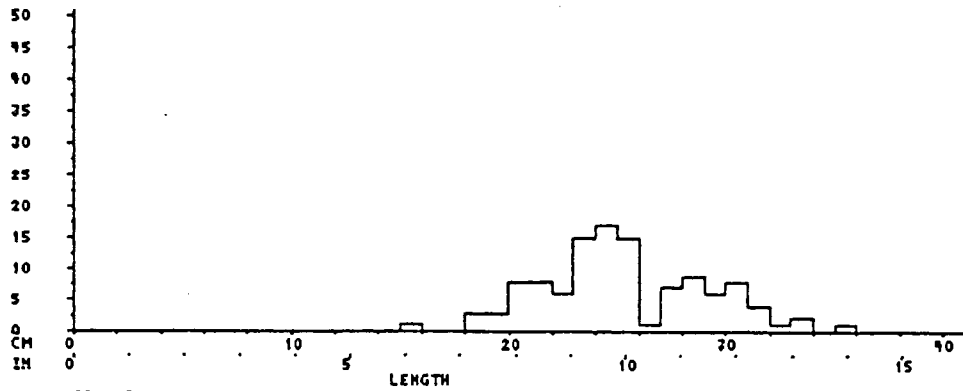


FIGURE 1. SHAKEDEN HOLLOW DAY CREEL THRU 9/30. HARVESTED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 115 INDIVIDUALS

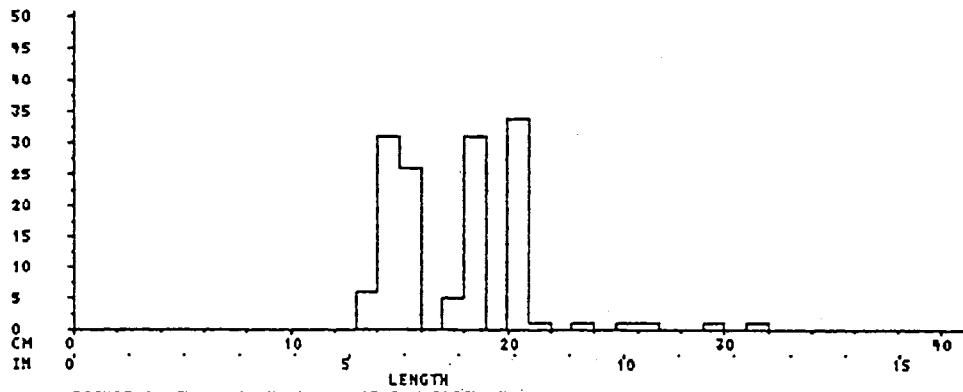


FIGURE 2. SHAKEDEN HOLLOW 1997 DAY CREEL THRU 9/30. RELEASED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 139 INDIVIDUALS

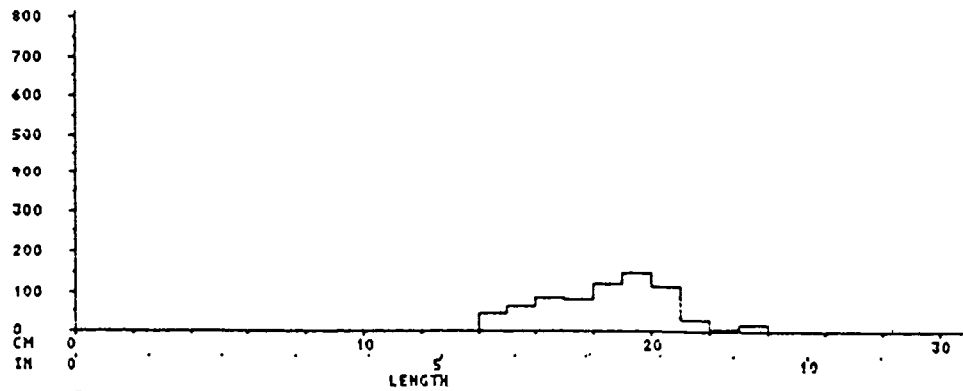


FIGURE 3. SHAKEDEN HOLLOW 1997 DAY CREEL THRU 9/30. HARVESTED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 717 INDIVIDUALS

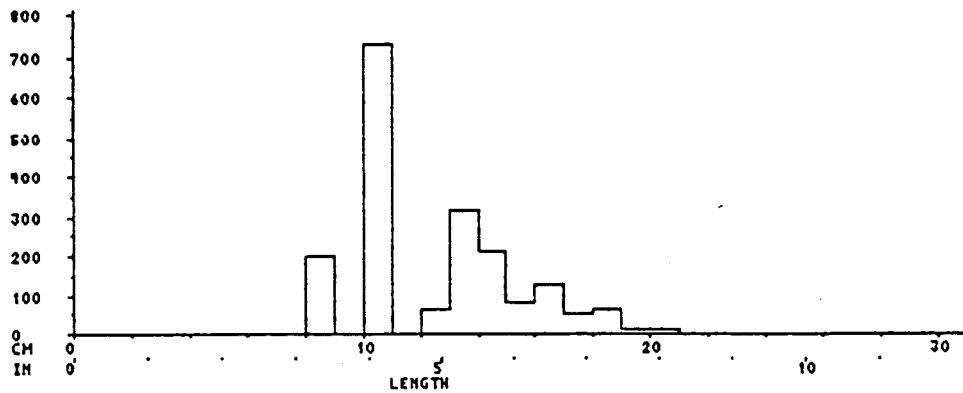


FIGURE 4. SHAKEDEN HOLLOW 1997 DAY CREEL THRU 9/30. RELEASED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1847 INDIVIDUALS

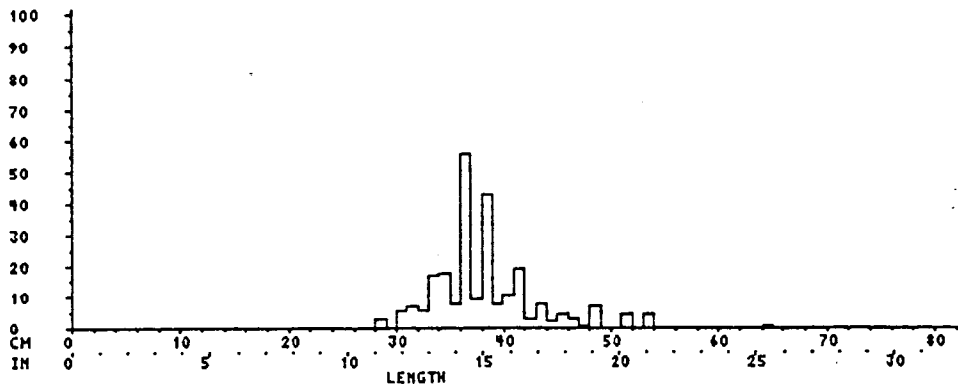


FIGURE 5. SHAKEDEN HOLLOW 1997 DAY CREEL THRU 9/30. HARVESTED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 248 INDIVIDUALS

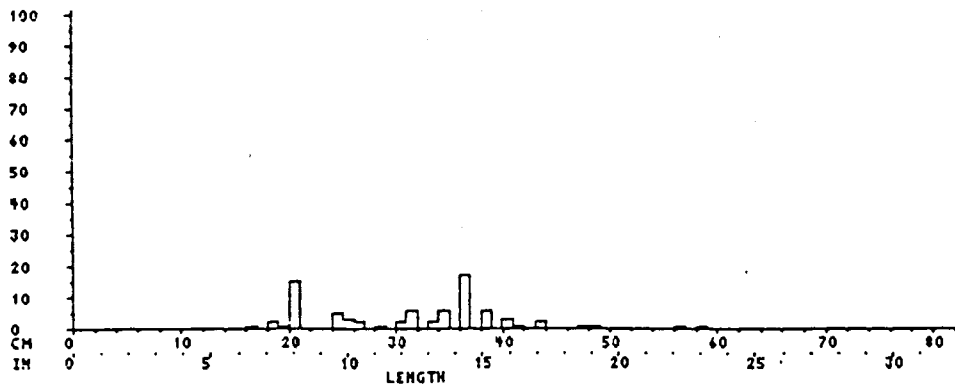


FIGURE 6. SHAKEDEN HOLLOW 1997 DAY CREEL THRU 9/30. RELEASED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 79 INDIVIDUALS

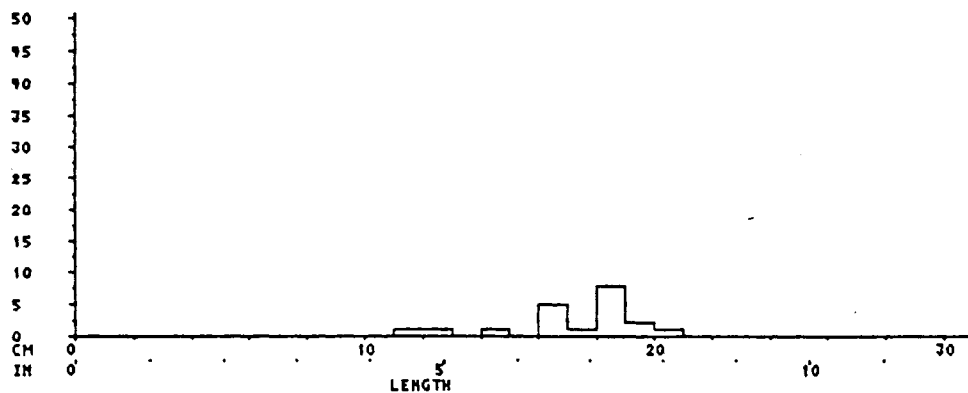


FIGURE 7. SHAKEDEN HOLLOW 1997 DAY CREEL THRU 9/30. HARVESTED 'GSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 20 INDIVIDUALS

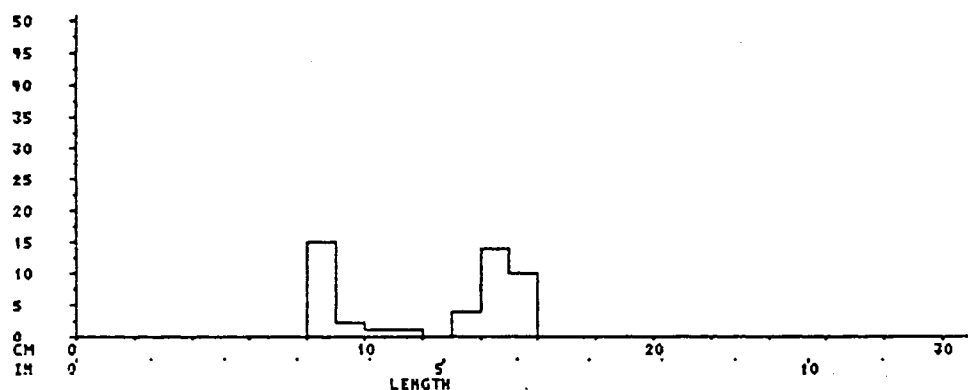


FIGURE 8. SHAKEDEN HOLLOW 1997 DAY CREEL THRU 9/30. RELEASED 'GSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 47 INDIVIDUALS

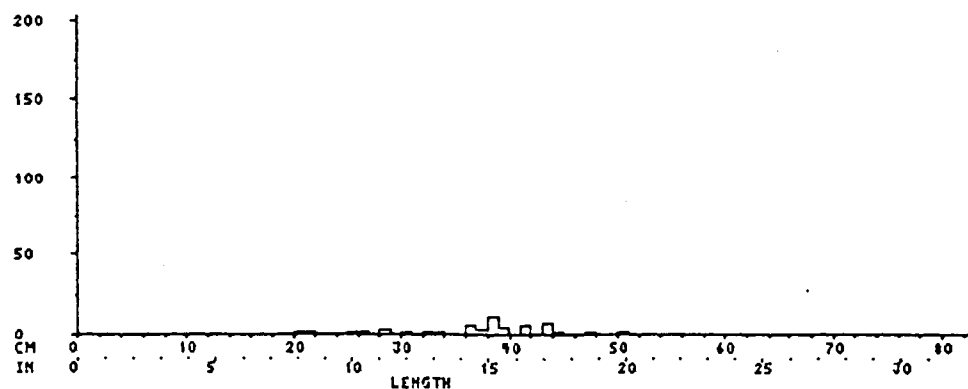


FIGURE 9. SHAKEDEN HOLLOW 1997 DAY CREEL THRU 9/30. HARVESTED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 59 INDIVIDUALS

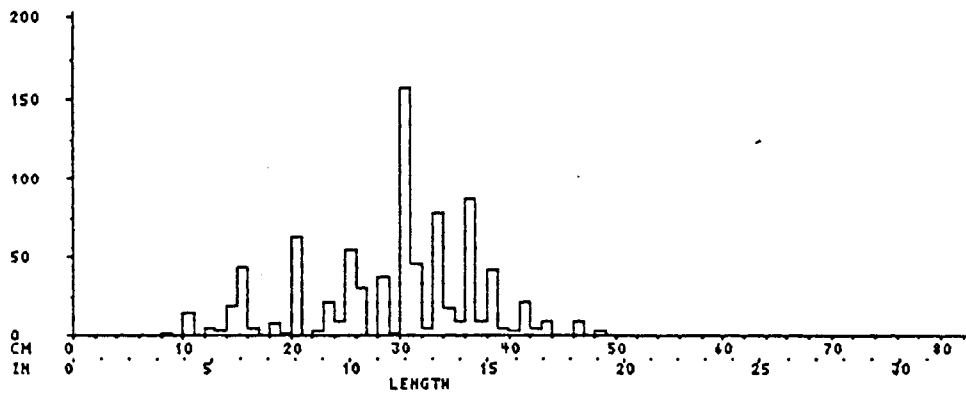


FIGURE 10. SHAKDEN HOLLOW 1997 DAY CREEL THRU 9/30. RELEASED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 819 INDIVIDUALS

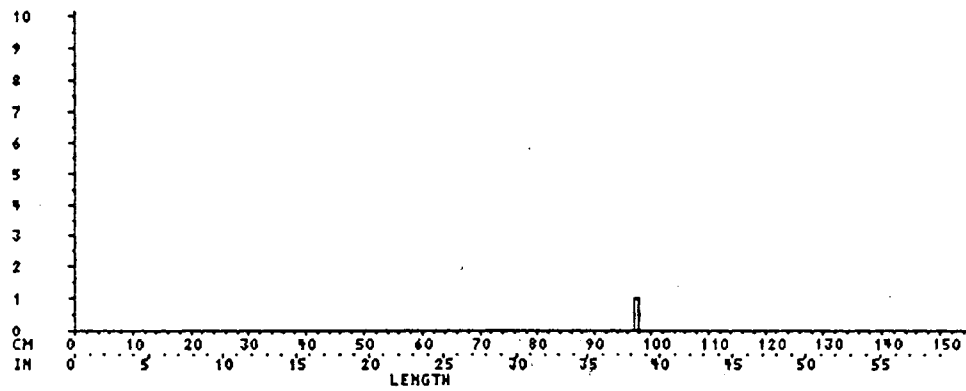


FIGURE 11. SHAKDEN HOLLOW 1997 DAY CREEL THRU 9/30. HARVESTED 'MUE' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1 INDIVIDUALS

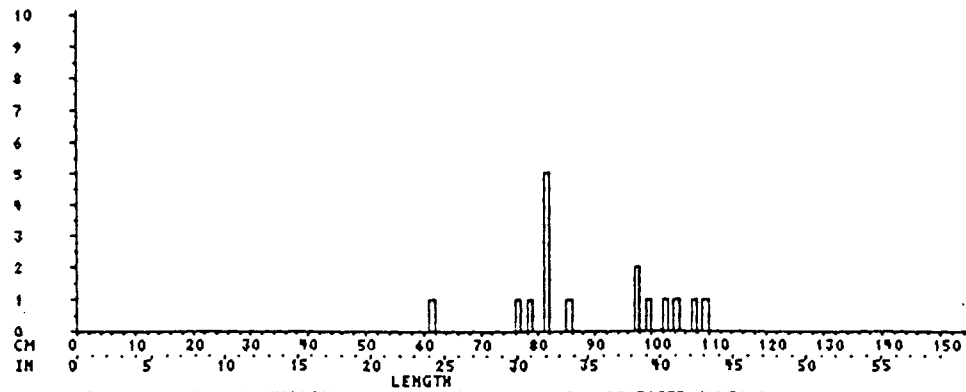
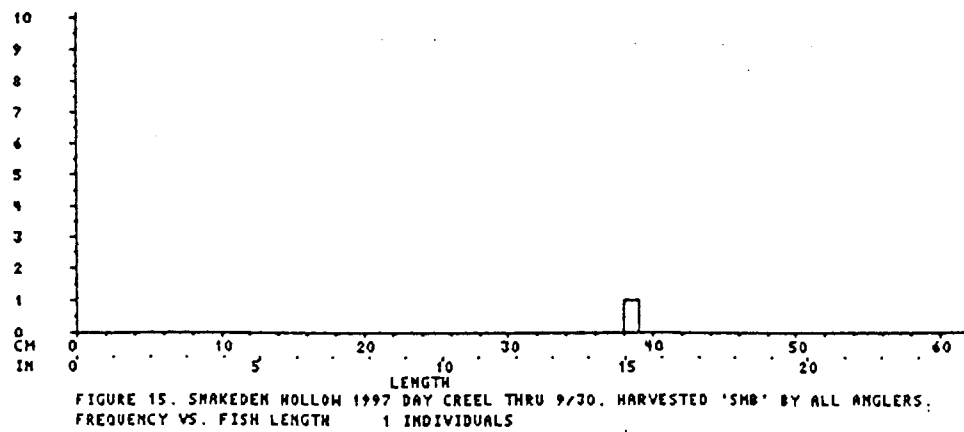
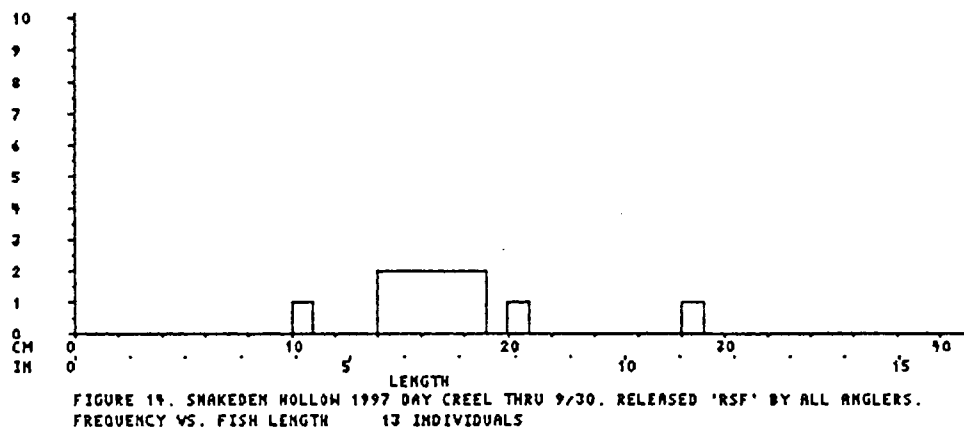
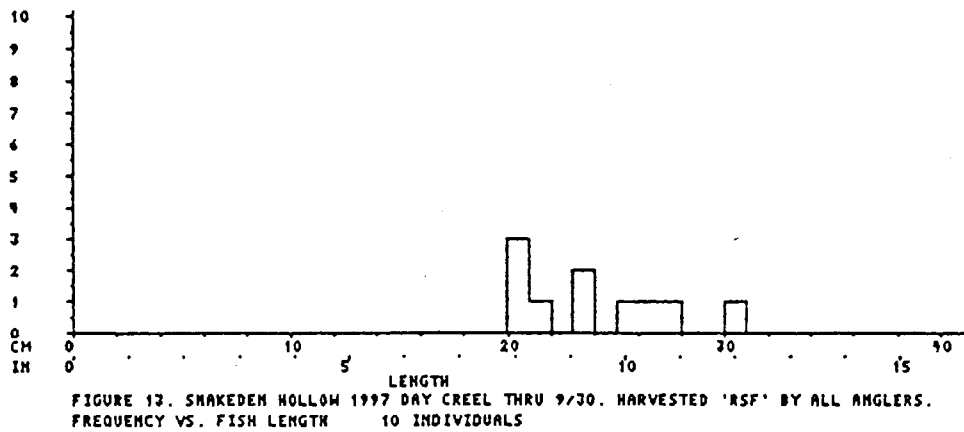


FIGURE 12. SHAKDEN HOLLOW 1997 DAY CREEL THRU 9/30. RELEASED 'MUE' BY ALL ANGLERS.





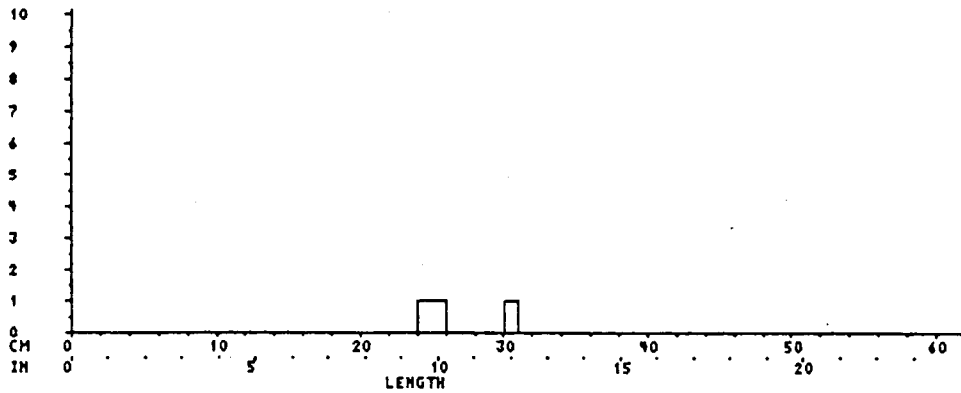


FIGURE 16. SHAKEDEN HOLLOW 1997 DAY CREEL THRU 9/30. RELEASED 'SMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 3 INDIVIDUALS

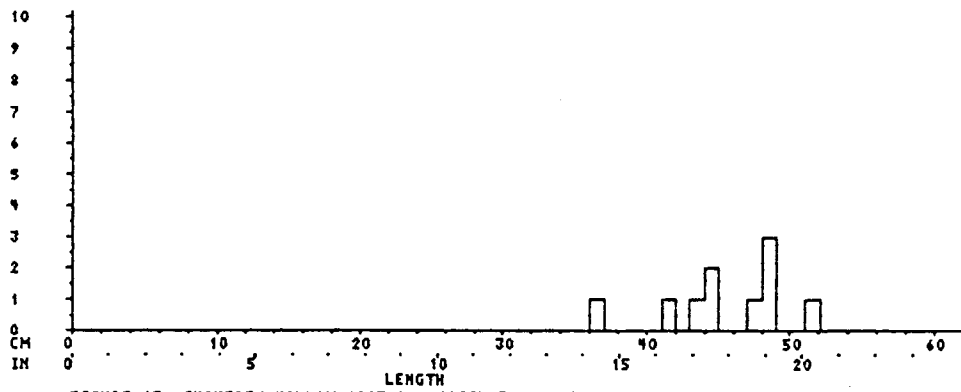


FIGURE 17. SHAKEDEN HOLLOW 1997 DAY CREEL THRU 9/30. HARVESTED 'WAE' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 10 INDIVIDUALS

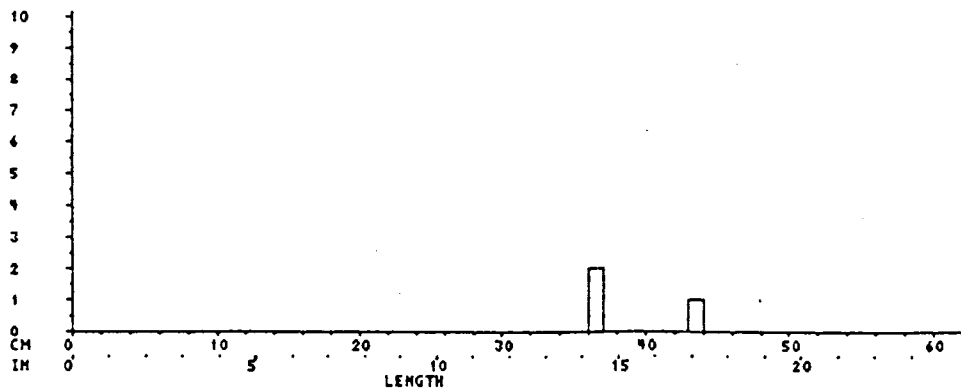


FIGURE 18. SHAKEDEN HOLLOW 1997 DAY CREEL THRU 9/30. RELEASED 'WAE' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 3 INDIVIDUALS

EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=2 LAKE :=TURNER LAKE  
 DISTRICT :=07 YEAR :=97  
 ACREAGE :34 SAMPLING RATIO :=232/642 = 36.1%  
 NUMBER OF INTERVIEWS:777

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

	ANGL HRS	95% CONF INTVL	HRS/ ACRE	95% CONF INTVL	% EFF INTVD
BOAT FISHING:					
WEEKDAY	291	82-500 ( 72%)	9	2-15 ( 72%)	0
WKND/HOL	1596	1191-2001 ( 25%)	47	35-59 ( 25%)	8.77
STR TOTAL	1887	1437-2337 ( 24%)	56	42-69 ( 24%)	7.41
SHORE FISHING:					
WEEKDAY	4158	3299-5017 ( 21%)	122	97-148 ( 21%)	9.15
WKND/HOL	6150	5561-6739 ( 10%)	181	164-198 ( 10%)	20.23
STR TOTAL	10308	9275-11341 ( 10%)	303	273-334 ( 10%)	15.76
BOAT/SHORE COALESCED:					
WEEKDAY	4451	3509-5393 ( 21%)	131	103-159 ( 21%)	8.55
WKND/HOL	7670	6913-8427 ( 10%)	226	203-248 ( 10%)	18.05
STR TOTAL	12121	10926-13316 ( 10%)	357	321-392 ( 10%)	14.56
BOAT/SHORE STRATIFIED:					
WEEKDAY	4451	3569-5333 ( 20%)	131	105-157 ( 20%)	8.55
WKND/HOL	7747	7041-8453 ( 9%)	228	207-249 ( 9%)	17.87
STR TOTAL	12198	11076-13320 ( 9%)	359	326-392 ( 9%)	14.47

HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :2 LAKE :TURNER LAKE  
 DISTRICT :07 YEAR :97  
 ACREAGE :34 SAMPLING RATIO :464/1284 = 36.1%  
 RATIO OF EFFORT HOURS INTERVIEWED : 1764.6/12200.6 = 14.46%  
 NUMBER OF INTERVIEWS: 777

COMBINED ACROSS STRATA:

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:

GOS  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLB	.000	+- .000 (153 %)	22	+-54 (151 %)	1.56	.64
BLC	.003	+- .007 (166 %)	81	+-170 (110 %)	5.89	2.39
BLG	.020	.007-.033 ( 66 %)	910	408-1412 ( 55 %)	66.16	26.78
BOW		*** NOT RECORDED ***		*** NOT RECORDED ***		
CAP	.000	+- .000 (318 %)	3	+-13 (318 %)	.22	.09
CCF	.002	+- .005 (175 %)	55	+-147 (166 %)	4.02	1.63
LMB	.006	.003-.009 ( 52 %)	187	108-267 ( 43 %)	13.61	5.51
NOP	.000	+- .001 (118 %)	23	+-51 (118 %)	1.69	.69
YLB		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.031	.017-.045 ( 46 %)	1282	738-1823 ( 42 %)	93.15	37.70

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLB	.000	+- .000 (154 %)	2	+-6 (152 %)	.163	104.1
BLC	.000	+- .000 (154 %)	7	+-17 (146 %)	.492	83.4
BLG	.000	.000-.000 ( 64 %)	20	9-31 ( 54 %)	1.454	22.0
BOW		*** NOT RECORDED ***		*** NOT RECORDED ***		
CAP	.000	+- .000 (318 %)	8	+-35 (318 %)	.614	2789.7
CCF	.000	+- .001 (133 %)	20	+-48 (138 %)	1.465	364.6
LMB	.002	.000-.004 ( 64 %)	77	37-116 ( 51 %)	5.570	409.4
NOP	.000	+- .002 (137 %)	34	+-81 (139 %)	2.457	1454.3
YLB		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.005	.002-.007 ( 53 %)	168	80-256 ( 52 %)	12.215	131.1

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLB	.000	+- .000 (154 %)	5	+-12 (152 %)	.145	.2295
BLC	.000	+- .001 (154 %)	15	+-37 (146 %)	.439	.1838
BLG	.001	.000-.002 ( 64 %)	44	20-68 ( 54 %)	1.297	.0485
BOW		*** NOT RECORDED ***		*** NOT RECORDED ***		
CAP	.000	+- .000 (318 %)	19	+-78 (318 %)	.548	6.1501
CCF	.001	+- .003 (133 %)	44	+-106 (138 %)	1.307	.8037
LMB	.005	.002-.009 ( 64 %)	169	82-255 ( 51 %)	4.969	.9025
NOP	.002	+- .005 (137 %)	75	+-178 (139 %)	2.192	3.2061
YLB		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.010	.005-.016 ( 53 %)	371	176-565 ( 52 %)	10.898	.2891

CAUGHT AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :2 LAKE :TURNER LAKE  
 DISTRICT :07 YEAR :97  
 ACREAGE :34 SAMPLING RATIO :464/1284 = 36.1%  
 RATIO OF EFFORT HOURS INTERVIEWED : 1764.6/12200.6 = 14.46%  
 NUMBER OF INTERVIEWS: 777

COMBINED ACROSS STRATA:

YEAR PERIOD 04/01 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:

GOS  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLB	.006	+- .013 (121 %)	104	36-171 ( 65 %)	7.52	3.05
BLC	.010	+- .022 (119 %)	317	37-596 ( 88 %)	23.00	9.31
BLG	.207	.156-.258 ( 23 %)	6536	5053-8019 ( 23 %)	475.02	192.24
BOW	.001	.000-.003 ( 95 %)	50	+-106 (111 %)	3.66	1.48
CAP	.000	+- .002 (152 %)	28	+-61 (120 %)	2.00	.81
CCF	.004	.001-.007 ( 68 %)	155	62-248 ( 60 %)	11.25	4.56
LMB	.083	.061-.104 ( 26 %)	1960	1505-2415 ( 23 %)	142.44	57.65
NOP	.006	.003-.010 ( 55 %)	183	99-268 ( 46 %)	13.32	5.39
YLB	.000	+- .001 (257 %)	22	+-78 (257 %)	1.58	.64
MSC	.000	+- .001 (257 %)	22	+-78 (257 %)	1.58	.64
TOT	.320	.261-.378 ( 18 %)	9376	7753-10999 ( 17 %)	681.40	275.76

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLB	.000	.000-.000 ( 89 %)	12	3-21 ( 73 %)	.889	118.2
BLC	.000	.000-.000 ( 85 %)	17	-33 ( 95 %)	1.234	53.6
BLG	.004	.003-.005 ( 23 %)	122	94-151 ( 23 %)	8.887	18.7
BOW	.000	.000-.000 ( 88 %)	3	-7 ( 96 %)	.249	68.1
CAP	.000	+- .001 (129 %)	20	+-45 (119 %)	1.487	742.0
CCF	.000	.000-.002 ( 90 %)	33	3-62 ( 90 %)	2.365	210.2
LMB	.018	.011-.024 ( 35 %)	382	287-476 ( 25 %)	27.746	194.8
NOP	.004	.000-.007 ( 77 %)	123	43-203 ( 65 %)	8.963	673.1
YLB	.000	+- .000 (257 %)	5	+-18 (257 %)	.374	236.2
MSC	.000	+- .000 (257 %)	2	+-8 (257 %)	.161	101.5
TOT	.028	.020-.036 ( 29 %)	720	553-888 ( 23 %)	52.356	76.8

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BLB	.000	.000-.002 ( 89 %)	27	7-47 ( 73 %)	.794	.2606
BLC	.001	.000-.002 ( 85 %)	37	2-73 ( 95 %)	1.101	.1182
BLG	.008	.006-.010 ( 23 %)	270	207-332 ( 23 %)	7.929	.0412
BOW	.000	.000-.000 ( 88 %)	8	-15 ( 96 %)	.222	.1501
CAP	.001	+- .003 (129 %)	45	+-99 (119 %)	1.327	1.6357
CCF	.002	.000-.004 ( 90 %)	72	7-136 ( 90 %)	2.110	.4633
LMB	.039	.025-.052 ( 35 %)	842	633-1050 ( 25 %)	24.755	.4294
NOP	.009	.002-.016 ( 77 %)	272	96-448 ( 65 %)	7.997	1.4840
YLB	.000	+- .000 (257 %)	11	+-41 (257 %)	.334	.5208
MSC	.000	+- .000 (257 %)	5	+-17 (257 %)	.144	.2239
TOT	.062	.044-.080 ( 29 %)	1588	1218-1958 ( 23 %)	46.712	.1694

TABLE TURNER LAKE 1997 DAY CREEL FINAL REPORT  
DAYTIME DATA FOR LAKE=TURNER LAKE CREEL BEGUN IN YEAR=97

SECTION 1 FROM 04/01 TO 04/30  
SECTION 1 FROM 05/01 TO 05/31  
SECTION 1 FROM 06/01 TO 06/15  
SECTION 1 FROM 06/16 TO 08/31  
SECTION 1 FROM 09/01 TO 09/30  
SECTION 1 FROM 10/01 TO 10/31

---

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	3.4	2.4 - 4.5 ( 31%)	.5	6.6	15
SHORE	1.4	1.1 - 1.7 ( 21%)	.5	3	24
BOAT & SHORE	2.2	1.7 - 2.7 ( 24%)	.5	6.6	39

1 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
5% OF ALL 785 INTERVIEWS WERE COMPLETED TRIPS

---

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	36.9	35.3 - 38.4 ( 4%)	1	360	748
SUCCESS RATING 1-10?	2.7	2.6 - 2.9 ( 6%)	1	10	743

IS CATCH ILLEGAL?  
CLERK NOTED 30 OUT OF 785 INTERVIEWS HAD ILLEGAL CATCHES

---

# INTERVIEWS (AND %) PER SPECIES SOUGHT				PARTY SIZE VS. # INTERVIEWS	
				BOAT	SHORE
ANY	692 ( 88.2%)	CAT	1 ( .1%)	1	3
LMB	78 ( 9.9%)	NOP	3 ( .4%)	2	13
BLC	5 ( .6%)	BLG	3 ( .4%)	3	3
CCF	3 ( .4%)			4	4
				5	5
				6	6
				7	7
				8	8
				9	9
				10+	10+
					1

TABLE TURNER LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=TURNER LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS
0	73	0	73	16		0	71	16	
1		1		17		1		17	
2		2		18		2	2	18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS
0	71	0	51	16		0	50	16	
1	2	1	5	17		1	12	17	
2		2	8	18		2	9	18	
3		3	4	19		3		19	
4		4	2	20		4	2	20	
5		5	3	21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= BLC BLG LMB )

TABLE TURNER LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=TURNER LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CCF	#ANGLERS	#BLB	#ANGLERS	#BLB	#ANGLERS	#NOP	#ANGLERS	#NOP	#ANGLERS
0	73	0	73	16		0	73	16	
1		1		17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#CCF	#ANGLERS	#BLB	#ANGLERS	#BLB	#ANGLERS	#NOP	#ANGLERS	#NOP	#ANGLERS
0	67	0	71	16		0	66	16	
1	6	1	2	17		1	7	17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= CCF BLB NOP )

TABLE TURNER LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=TURNER LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BOW	#ANGLERS	#CAP	#ANGLERS	#CAP	#ANGLERS	#YLB	#ANGLERS	#YLB	#ANGLERS
0	73	0	73	16		0	73	16	
1		1		17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BOW	#ANGLERS	#CAP	#ANGLERS	#CAP	#ANGLERS	#YLB	#ANGLERS	#YLB	#ANGLERS
0	71	0	71	16		0	73	16	
1	2	1	2	17		1		17	
2		2		18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= BOW CAP YLB )



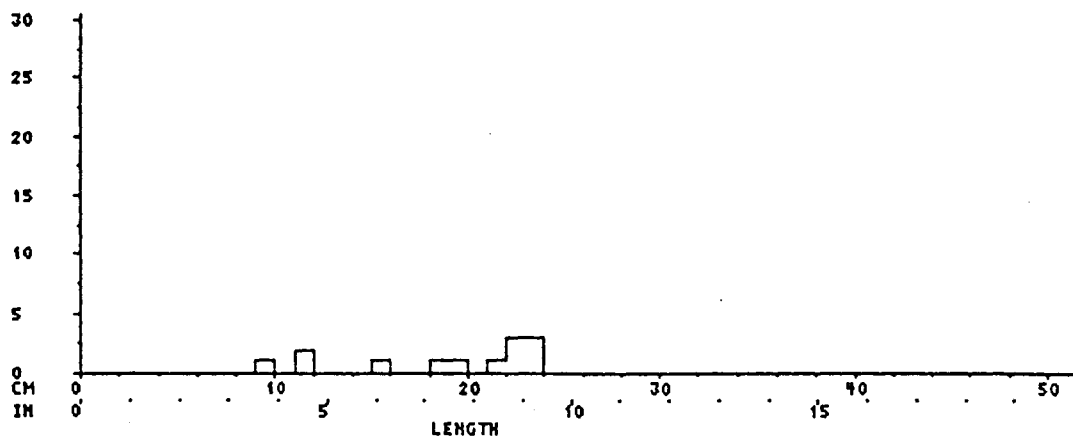


FIGURE 1. TURNER LAKE 1997 DAY CREEL THRU 10/31 HARVESTED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 13 INDIVIDUALS

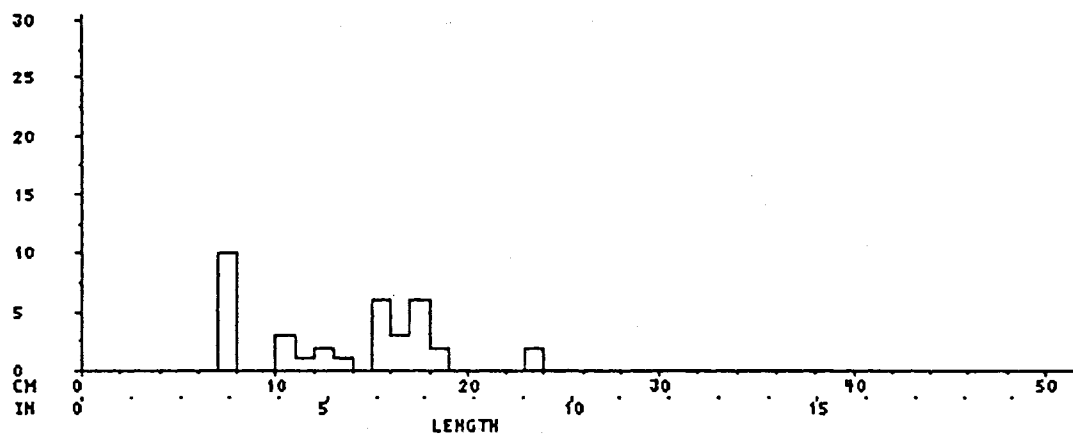


FIGURE 2. TURNER LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 36 INDIVIDUALS

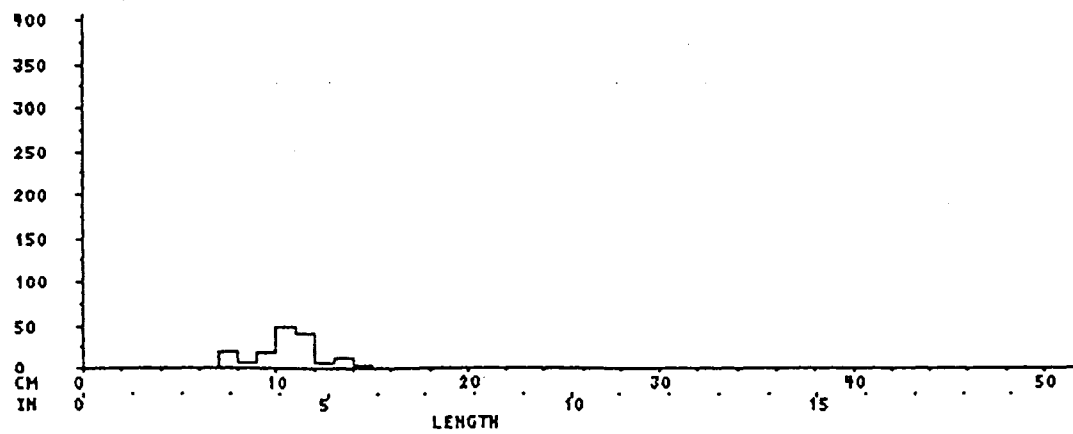


FIGURE 3. TURNER LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 156 INDIVIDUALS

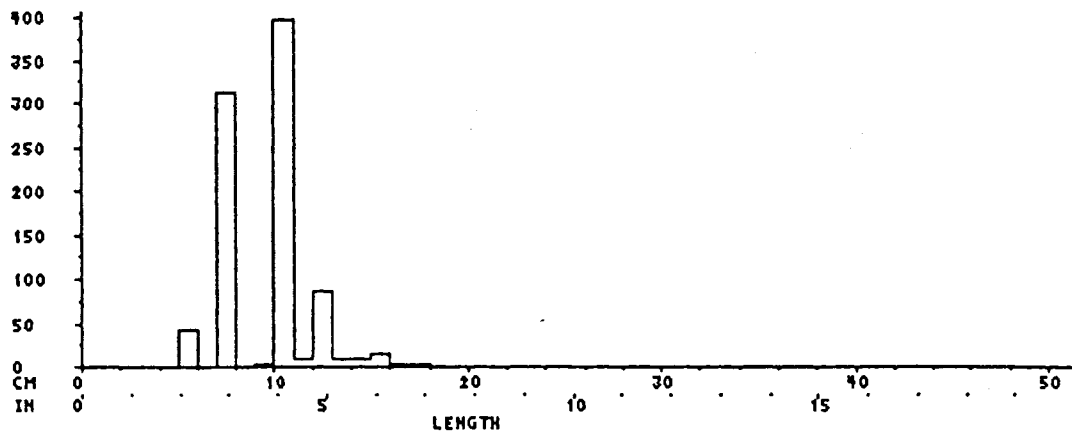


FIGURE 4. TURNER LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 889 INDIVIDUALS

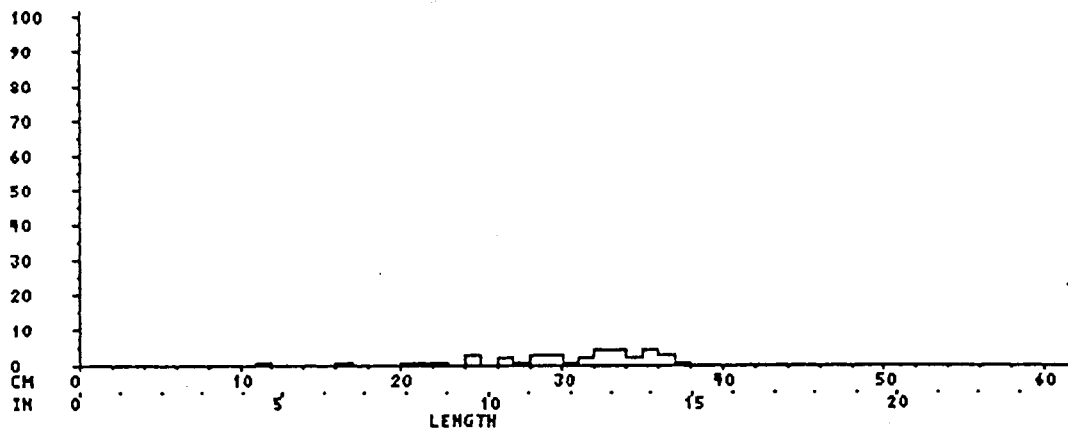


FIGURE 5. TURNER LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 38 INDIVIDUALS

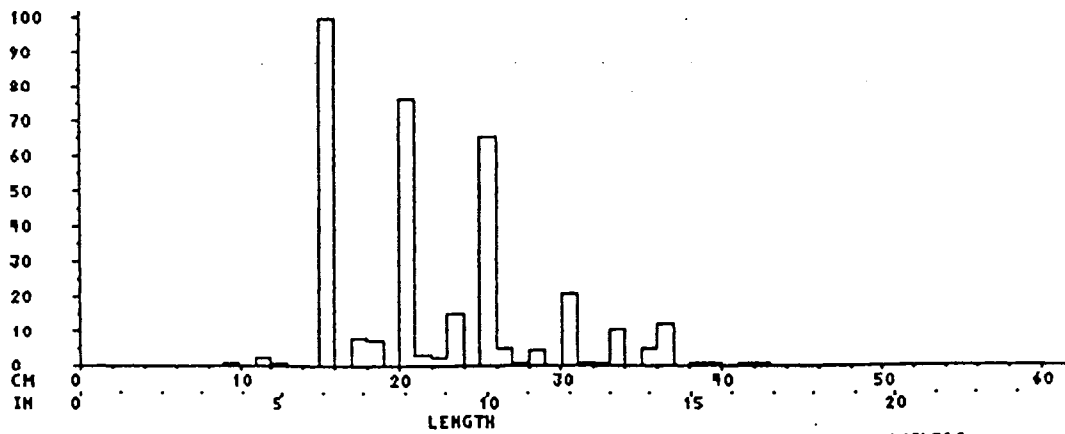


FIGURE 6. TURNER LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 344 INDIVIDUALS

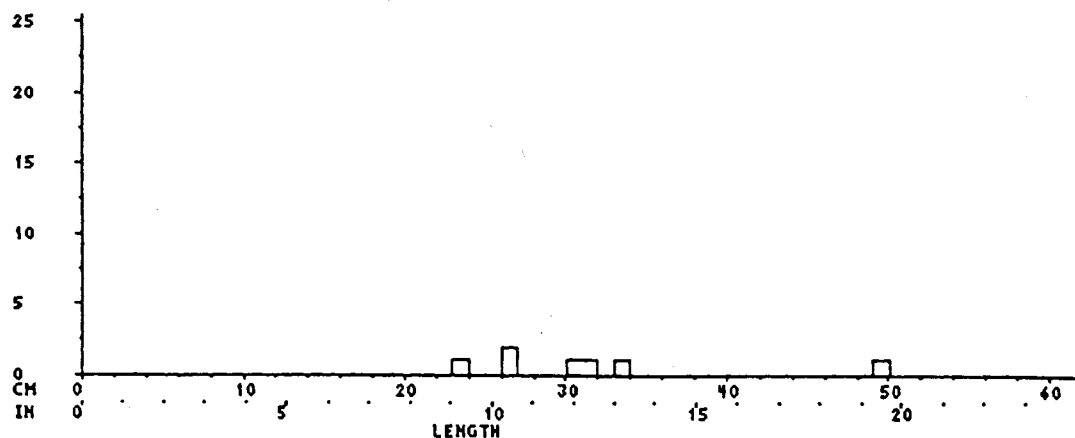


FIGURE 7. TURNER LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 7 INDIVIDUALS

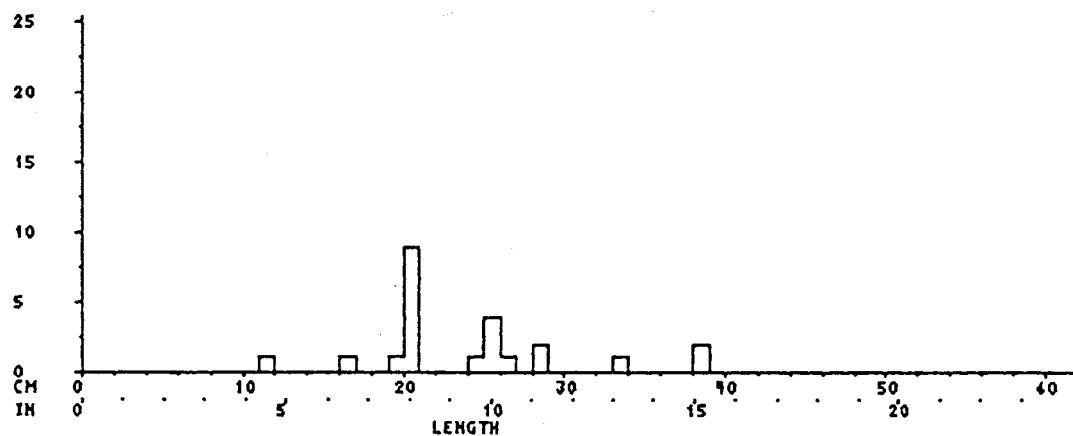


FIGURE 8. TURNER LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'CCF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 23 INDIVIDUALS

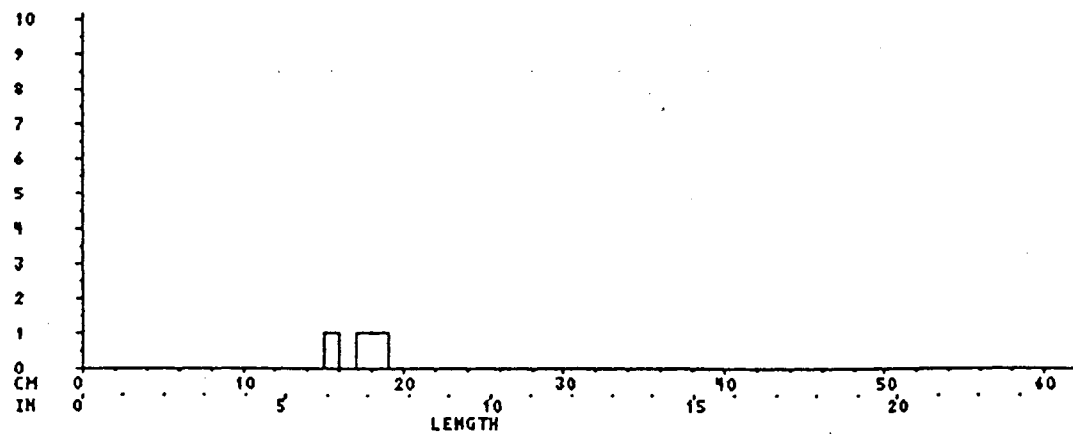
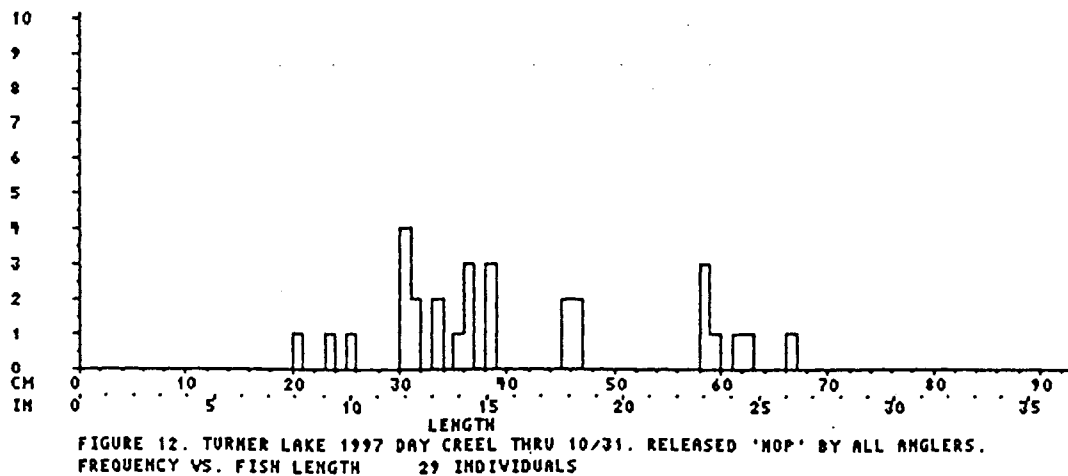
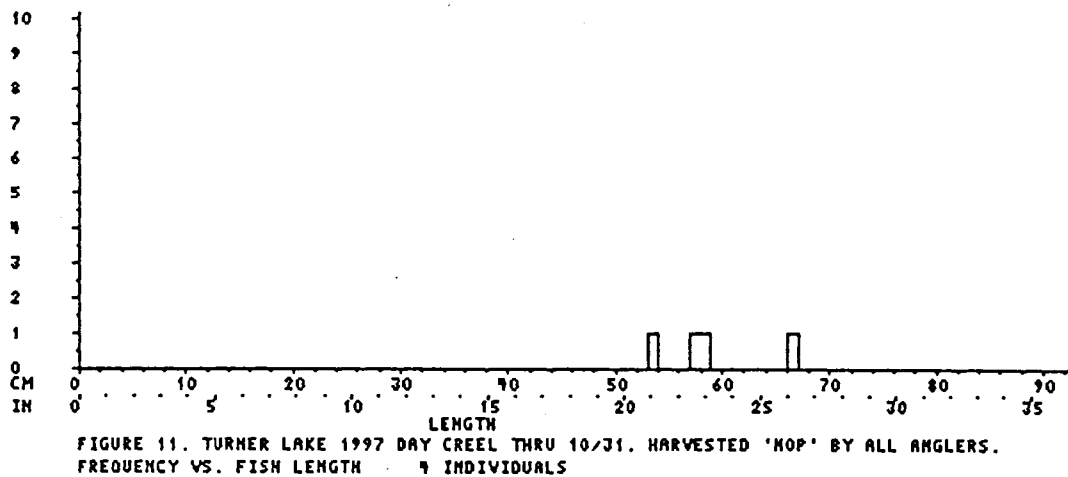
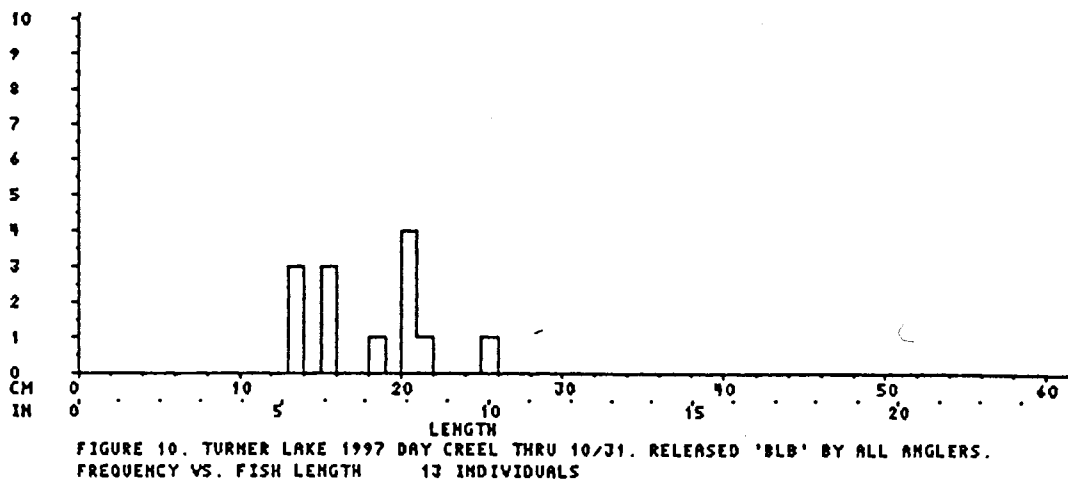


FIGURE 9. TURNER LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 3 INDIVIDUALS



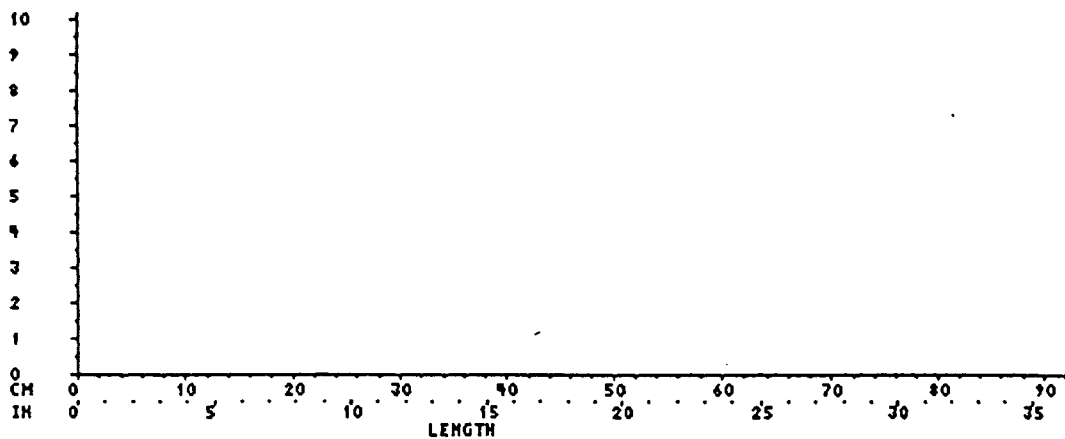


FIGURE 13. TURNER LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BOW' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

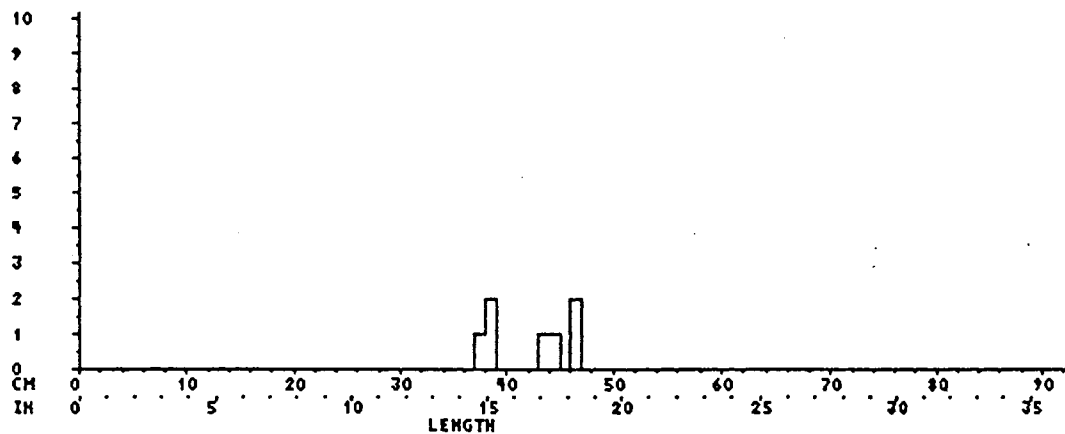


FIGURE 14. TURNER LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BOW' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 7 INDIVIDUALS

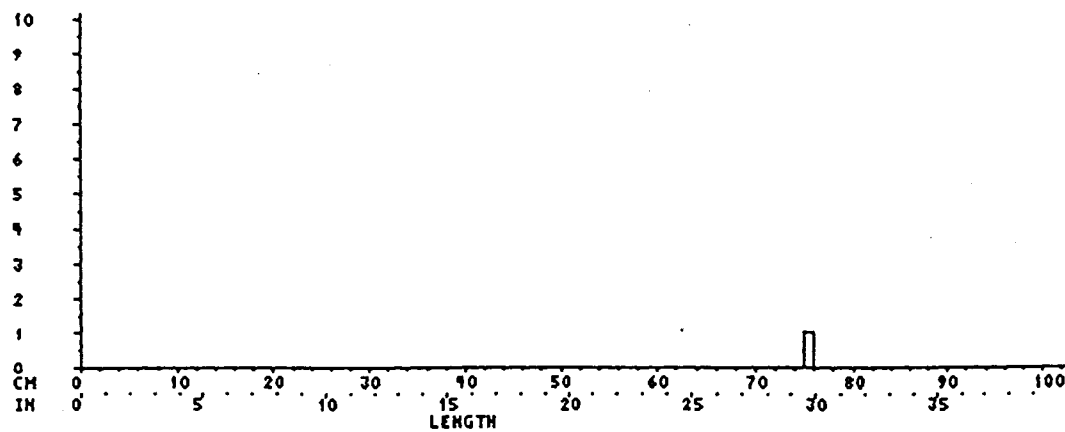
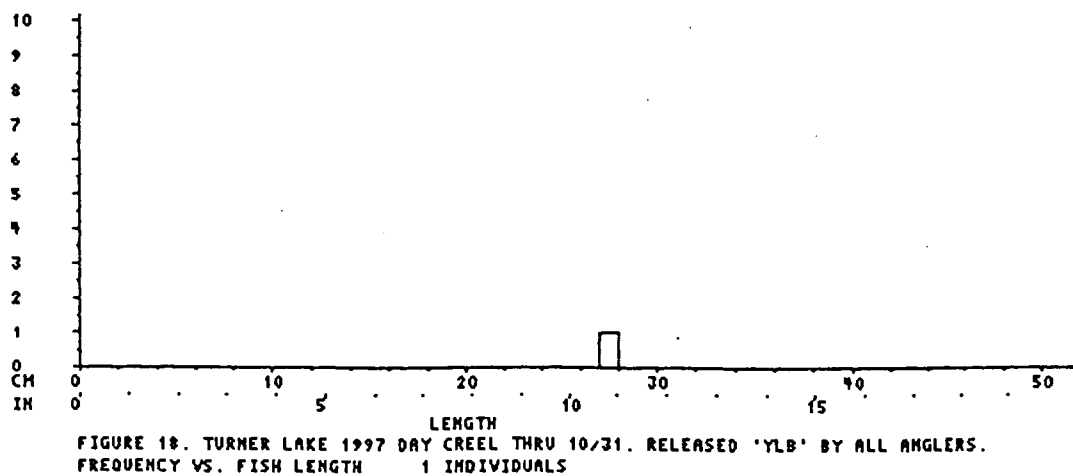
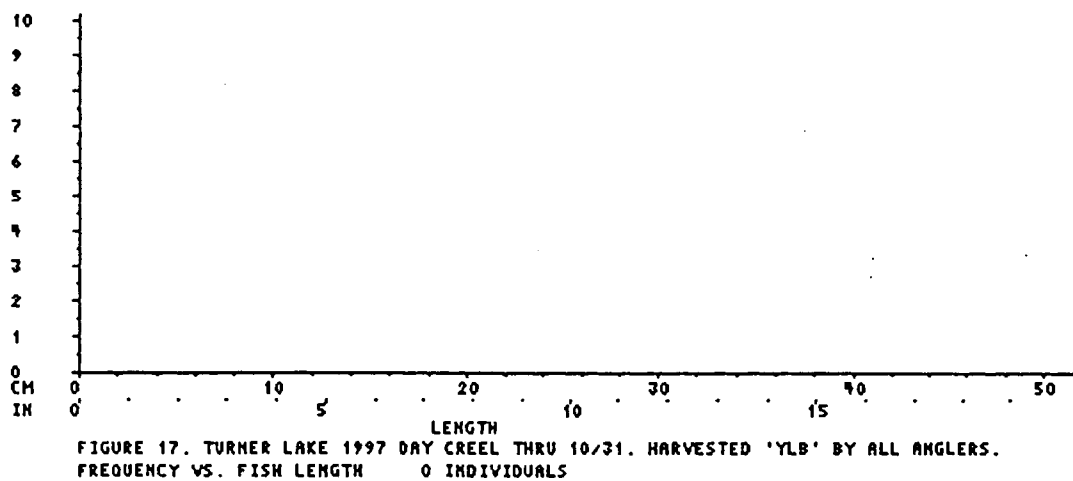
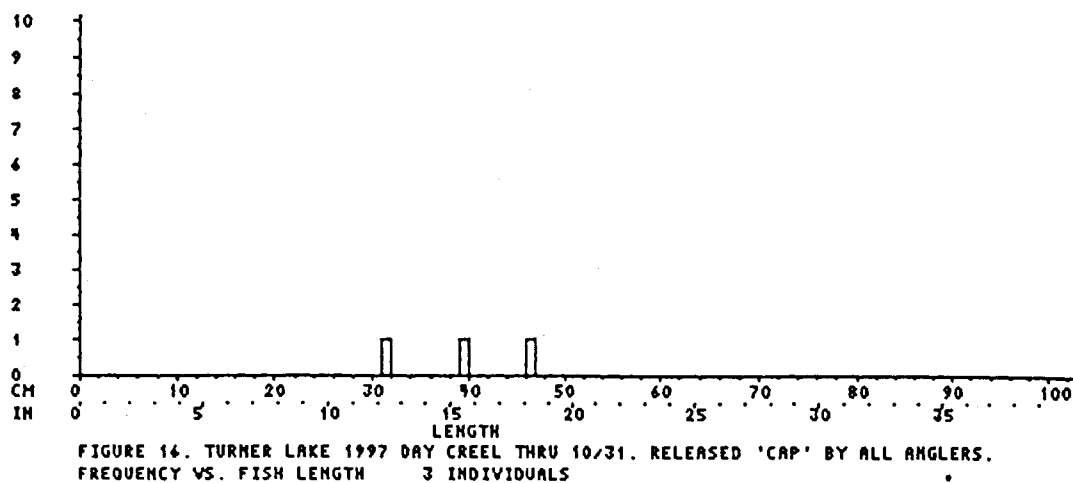


FIGURE 15. TURNER LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'CAP' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1 INDIVIDUALS



EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=3 LAKE :=LAKE VERMILLION  
 DISTRICT :=10 YEAR :=97  
 ACREAGE :933 SAMPLING RATIO :=351/1386 = 25.3%  
 NUMBER OF INTERVIEWS:1786

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2

	ANGL HRS	95% CONF INTVL	HRS/ ACRE	95% CONF INTVL	% EFF INTVL
-----					
BOAT FISHING:					
WEEKDAY	17816	15893-19739 ( 11%)	19	17-21 ( 11%)	11.88
WKND/HOL	18927	16585-21069 ( 12%)	20	18-23 ( 12%)	27.22
-----					
STR TOTAL	36643	33741-39545 ( 8%)	39	36-42 ( 8%)	19.76
SHORE FISHING:					
WEEKDAY	4340	3184-5496 ( 27%)	5	3-6 ( 27%)	7.95
WKND/HOL	3236	2728-3744 ( 16%)	3	3-4 ( 16%)	18.40
-----					
STR TOTAL	7576	6327-8825 ( 16%)	8	7-9 ( 16%)	12.41
BOAT/SHORE COALESCED:					
WEEKDAY	21723	19440-24006 ( 11%)	23	21-26 ( 11%)	11.33
WKND/HOL	21581	19212-23950 ( 11%)	23	21-26 ( 11%)	26.51
-----					
STR TOTAL	43304	40063-46545 ( 7%)	46	43-50 ( 7%)	18.89
BOAT/SHORE STRATIFIED:					
WEEKDAY	22157	19964-24350 ( 10%)	24	21-26 ( 10%)	11.11
WKND/HOL	22064	19771-24357 ( 10%)	24	21-26 ( 10%)	25.93
-----					
STR TOTAL	44221	41097-47345 ( 7%)	47	44-51 ( 7%)	18.50

HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION : 3 LAKE : LAKE VERMILLION  
 DISTRICT : 10 YEAR : 97  
 ACREAGE : 1933 SAMPLING RATIO : 702/2772 = 25.3%  
 RATIO OF EFFORT HOURS INTERVIEWED : 8131.6/44224.2 = 18.5%  
 NUMBER OF INTERVIEWS : 1786

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2

MSC SPECIES CAUGHT:

CAP LOS YEB BLB FCF WAM WMS SAB ROB OPS  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	M/HR	95% CI	M HARVEST	95% CI	M/HA	M/ACRE
BLC		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLG	.043	.006-.084 ( 87 %)	1676	972-2420 ( 43 %)	4.42	1.82
CCF	.031	.021-.040 ( 31 %)	1647	1076-2199 ( 33 %)	4.36	1.77
GSF	.002	+-0.005 (122 %)	95	3-187 ( 97 %)	.25	.10
LMB	.026	.015-.037 ( 41 %)	1364	760-1763 ( 30 %)	3.61	1.46
SMB	.000	+-0.000 (430 %)	6	+-32 (430 %)	.02	.00
WAE	.000	+-0.000 (134 %)	6	+-13 (125 %)	.02	.00
WMC	.192	.132-.231 ( 27 %)	13772	10904-17040 ( 22 %)	37.00	14.98
YLB	.066	.034-.099 ( 49 %)	4217	1700-6534 ( 55 %)	11.17	4.52
MSC	.015	.007-.023 ( 35 %)	444	256-631 ( 42 %)	1.17	.43
TOT	.367	.277-.435 ( 18 %)	23446	19439-27453 ( 17 %)	62.07	25.13

SPEC	KG/HR	95% CI	KG HARVEST	95% CI	KG/HA	AUG WT(G)
BLC		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLG	.003	.000-.006 ( 87 %)	119	64-174 ( 46 %)	.316	70.3
CCF	.010	.006-.014 ( 40 %)	613	411-914 ( 33 %)	1.622	371.2
GSF	.000	+-0.000 (205 %)	6	+-15 (127 %)	.017	67.6
LMB	.024	.013-.036 ( 47 %)	1400	743-1853 ( 32 %)	3.707	1026.9
SMB	.000	+-0.000 (430 %)	4	+-21 (430 %)	.010	645.2
WAE	.000	+-0.000 (139 %)	4	+-9 (130 %)	.011	708.7
WMC	.032	.022-.042 ( 30 %)	2603	2029-3177 ( 22 %)	6.874	136.3
YLB	.006	.004-.008 ( 35 %)	353	205-500 ( 42 %)	.934	83.6
MSC	.007	+-0.018 (157 %)	135	25-245 ( 82 %)	.358	304.6
TOT	.093	.066-.100 ( 20 %)	5237	4460-6015 ( 15 %)	13.970	222.4

SPEC	LB/HR	95% CI	LB HARVEST	95% CI	LB/ACRE	AUG WT(LB)
BLC		*** NOT RECORDED ***		*** NOT RECORDED ***		
BLG	.007	.000-.012 ( 87 %)	263	142-394 ( 46 %)	.292	.1550
CCF	.023	.014-.032 ( 40 %)	1351	706-1795 ( 33 %)	1.448	.8200
GSF	.000	+-0.001 (205 %)	14	+-32 (127 %)	.015	.1482
LMB	.054	.029-.077 ( 47 %)	3087	2087-4085 ( 32 %)	3.307	2.2632
SMB	.000	+-0.000 (430 %)	7	+-45 (430 %)	.007	1.4224
WAE	.000	+-0.000 (139 %)	7	+-21 (130 %)	.010	1.5624
WMC	.071	.049-.092 ( 30 %)	5737	4473-7005 ( 22 %)	6.131	.4107
YLB	.013	.007-.018 ( 35 %)	777	452-1102 ( 42 %)	.833	.1843
MSC	.016	+-0.040 (157 %)	299	55-541 ( 82 %)	.317	.6716
TOT	.183	.146-.220 ( 20 %)	11546	9833-13260 ( 15 %)	12.375	.4725



HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :#3 LAKE :LAKE VERMILLION  
 DISTRICT :#10 YEAR :#97  
 ACREAGE :1733 SAMPLING RATIO :#702/2772 = 25.3%  
 RATIO OF EFFORT HOURS INTERVIEWED :# 8131.6/44224.2 = 18.5%  
 NUMBER OF INTERVIEWS: 1786

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2

MSC SPECIES CAUGHT:

LMB BLG WHC YLB GSF WAE SMB BLC OPS

SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE STRATIFIED

FISH: HARVESTED

SPEC	M/HR	95% CI	M HARVEST	95% CI	M/HA	M/ACRE
BLB	.002	+-0.017 (102 %)	42	+-238 (445 %)	.11	.05
CAP	.003	+-0.013 (120 %)	120	35-204 ( 71 %)	.32	.13
FCF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LOS	.002	.000-.003 ( 72 %)	93	34-152 ( 64 %)	.25	.10
ROB		*** NOT RECORDED ***		*** NOT RECORDED ***		
SAB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAM	.000	+-0.002 (257 %)	4	+-12 (257 %)	.00	.00
WHS	.000	+-0.003 (312 %)	23	+-71 (290 %)	.06	.03
YEB	.004	.001-.007 ( 66 %)	152	51-273 ( 62 %)	.43	.18
MSC	.352	.285-.419 ( 19 %)	23002	19014-26790 ( 17 %)	60.92	24.66
TOT	.367	.277-.435 ( 18 %)	23446	19437-27453 ( 17 %)	62.09	25.13

SPEC	KG/HR	95% CI	KG HARVEST	95% CI	KG/HA AVG WT(G)	
BLB	.000	+-0.002 (984 %)	4	+-23 (300 %)	.015	136.4
CAP	.006	+-0.017 (202 %)	84	+-193 (129 %)	.223	705.1
FCF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LOS	.000	.000-.000 ( 77 %)	4	2-7 ( 61 %)	.011	45.3
ROB		*** NOT RECORDED ***		*** NOT RECORDED ***		
SAB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAM	.000	+-0.000 (257 %)		+-0.34613 (257 %)	.000	29.3
WHS	.000	+-0.001 (312 %)	10	+-40 (290 %)	.027	437.9
YEB	.000	.000-.002 ( 73 %)	30	11-50 ( 65 %)	.081	188.1
MSC	.076	.062-.090 ( 19 %)	5102	4330-5874 ( 15 %)	13.313	221.3
TOT	.083	.066-.100 ( 20 %)	5237	4460-6015 ( 15 %)	13.970	223.4

SPEC	LB/HR	95% CI	LB HARVEST	95% CI	LB/ACRE AVG WT(LB)	
BLB	.000	+-0.005 (984 %)	13	+-51 (300 %)	.014	.3006
CAP	.012	+-0.037 (202 %)	186	+-426 (129 %)	.197	1.5544
FCF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LOS	.000	.000-.000 ( 77 %)	9	4-15 ( 61 %)	.010	.0978
ROB		*** NOT RECORDED ***		*** NOT RECORDED ***		
SAB		*** NOT RECORDED ***		*** NOT RECORDED ***		
WAM	.000	+-0.000 (257 %)		+-0.30719 (257 %)	.000	.0646
WHS	.000	+-0.003 (312 %)	22	+-88 (290 %)	.024	.7654
YEB	.002	.000-.004 ( 73 %)	67	23-111 ( 65 %)	.072	.4146
MSC	.147	.134-.179 ( 19 %)	11249	9546-12950 ( 15 %)	12.056	.4390
TOT	.193	.146-.220 ( 20 %)	11546	9833-13260 ( 15 %)	12.375	.4925

LAKE VERMILLION FISH TABLE \*\*\* LMI \*\*\*  
 REGION 1=3 LAKE 1=LAKE VERMILLION  
 DISTRICT 1=10 YEAR 1=97  
 ACREAGE 1933 SAMPLING RATIO 1=702/2772 = 25.3%  
 RATIO OF EFFORT HOURS INTERVIEWED 1= 8181.6/44224.2 = 18.5%  
 NUMBER OF INTERVIEWS: 1786

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2

MSC SPECIES CAUGHT:

CAP LOS YEB BLB FCF WAM WHS SAB ROB ORS  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	M/HR	95% CI	M CAUGHT	95% CI	M/HA	M/ACRE
BLC	.000	+-0.000 (430 %)	11	+-57 (430 %)	.03	.01
BLG	.098	.052-.143 (47 %)	4436	3178-5695 (28 %)	11.75	4.76
CCF	.053	.032-.068 (26 %)	2911	2220-3602 (24 %)	7.71	3.12
GSF	.003	.000-.006 (93 %)	146	45-247 (67 %)	.32	.16
LMB	.234	.192-.275 (18 %)	17503	15028-19979 (14 %)	46.36	18.76
SMB	.000	+-0.000 (240 %)	21	+-64 (197 %)	.06	.02
WAE	.000	+-0.001 (505 %)	10	+-47 (359 %)	.03	.01
WMC	.348	.279-.416 (20 %)	29446	22584-36307 (23 %)	77.98	31.56
YLB	.137	.090-.184 (35 %)	7018	4510-9526 (36 %)	18.59	7.52
MSC	.032	.013-.051 (60 %)	973	611-1174 (32 %)	2.36	.96
TOT	.905	.802-1.008 (11 %)	52395	54142-70649 (13 %)	165.25	66.83

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AUG MT(G)
BLC	.000	+-0.000 (430 %)	2	+-5 (430 %)	.003	.2053
BLG	.006	.003-.009 (57 %)	261	165-353 (37 %)	.692	.1299
CCF	.014	.009-.018 (32 %)	835	601-1068 (23 %)	2.211	.6321
GSF	.000	+-0.000 (177 %)	9	+-16 (101 %)	.022	.0123
LMB	.109	.088-.130 (20 %)	8066	6877-9255 (15 %)	21.362	1.0140
SMB	.000	+-0.000 (341 %)	7	+-35 (300 %)	.023	.0877
WAE	.000	+-0.000 (436 %)	7	+-26 (272 %)	.018	.15126
WMC	.047	.037-.058 (22 %)	4062	3182-4941 (22 %)	10.757	.3041
YLB	.011	.007-.015 (34 %)	548	373-723 (32 %)	1.451	.1722
MSC	.009	+-0.020 (120 %)	212	99-325 (53 %)	.561	.5231
TOT	.196	.172-.221 (12 %)	14007	12433-15534 (11 %)	37.100	.4950

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AUG MT(LB)
BLC	.000	+-0.000 (430 %)	2	+-12 (430 %)	.002	.2053
BLG	.013	.006-.021 (57 %)	576	364-739 (37 %)	.613	.1299
CCF	.030	.021-.040 (32 %)	1840	1325-2355 (29 %)	1.972	.6321
GSF	.000	+-0.001 (177 %)	18	+-36 (101 %)	.019	.0123
LMB	.240	.193-.287 (20 %)	17763	15160-20405 (15 %)	17.060	1.0140
SMB	.000	+-0.000 (341 %)	19	+-76 (300 %)	.020	.0877
WAE	.000	+-0.001 (436 %)	15	+-57 (272 %)	.016	.15126
WMC	.104	.081-.127 (22 %)	8954	7015-10894 (22 %)	9.597	.3041
YLB	.024	.016-.032 (34 %)	1208	823-1574 (32 %)	1.295	.1722
MSC	.020	+-0.045 (120 %)	467	218-715 (53 %)	.500	.5231
TOT	.433	.380-.487 (12 %)	30883	27410-34357 (11 %)	33.101	.4950

CROUCH AND CROUCH TABLE \*\*\* DATA \*\*\*  
 REGION 1=3 LAKE 1=LAKE VERMILLION  
 DISTRICT 1=10 YEAR 1=97  
 ACREAGE 1933 SAMPLING RATIO 1=702/2772 = 25.3%  
 RATIO OF EFFORT HOURS INTERVIEWED 1= 8181.6/44224.2 = 18.5%  
 NUMBER OF INTERVIEWS: 1786

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1  
 YEAR PERIOD 03/15 TO 04/08 OF SECTION 2  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 2  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 2  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 2  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 2  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 2  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 2

MSC SPECIES CAUGHT:  
 LMB BLG WHC YLB CCF GSF WAE SHB BLC ORS  
 SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	N/HR	95% CI	N CAUGHT	95% CI	N/HA	N/ACRE
BLB	.010	+-.047 (378 %)	222	16-427 ( 93 %)	.59	.24
CAP	.007	.000-.014 ( 98 %)	209	93-323 ( 55 %)	.55	.22
FCF	.000	+-.000 (236 %)	6	+17 (236 %)	.02	.00
LOS	.002	.000-.004 ( 60 %)	147	67-229 ( 55 %)	.39	.16
ROB	.000	+-.000 (430 %)	2	+11 (430 %)	.00	.00
SAB	.000	+-.000 (257 %)	5	+17 (257 %)	.01	.00
WAM	.004	+-.043 (105 %)	28	+334 (109 %)	.07	.03
WHS	.000	+-.003 (312 %)	23	+91 (290 %)	.06	.03
YEB	.007	.003-.010 ( 48 %)	243	127-360 ( 43 %)	.64	.26
MSC	.973	.772-.974 ( 12 %)	61511	53292-69729 ( 13 %)	162.91	65.93
TOT	.705	.802-1.003 ( 11 %)	62375	54142-70647 ( 13 %)	165.25	66.68

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	KG/HA AVG WT(G)
BLB	.001	+-.006 (477 %)	24	-47 (100 %)	.063	107.0
CAP	.006	+-.017 (187 %)	112	3-222 ( 97 %)	.293	540.6
FCF	.000	+-.000 (236 %)	8	+26 (236 %)	.020	1320.1
LOS	.000	.000-.000 ( 64 %)	6	3-9 ( 51 %)	.016	39.2
ROB	.000	+-.000 (430 %)	1	+-.67127 (430 %)	.000	63.3
SAB	.000	+-.000 (257 %)	4	+13 (257 %)	.010	688.8
WAM	.000	+-.002 (113 %)	1	+16 (115 %)	.003	44.2
WHS	.000	+-.001 (312 %)	10	+40 (290 %)	.027	437.9
YEB	.001	.000-.002 ( 55 %)	47	25-63 ( 46 %)	.123	191.4
MSC	.187	.164-.210 ( 12 %)	13797	12223-15366 ( 11 %)	36.540	224.3
TOT	.176	.172-.221 ( 12 %)	14009	12433-15584 ( 11 %)	37.100	224.5

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	LB/ACRE AVG WT(LB)
BLB	.002	+-.014 (477 %)	52	-105 (100 %)	.056	.2359
CAP	.013	+-.038 (187 %)	243	7-489 ( 97 %)	.266	1.1913
FCF	.000	+-.000 (236 %)	17	+56 (236 %)	.018	2.9103
LOS	.000	.000-.000 ( 64 %)	13	6-17 ( 51 %)	.014	.0979
ROB	.000	+-.000 (430 %)	1	+1 (430 %)	.000	.1375
SAB	.000	+-.001 (257 %)	8	+29 (257 %)	.009	1.5186
WAM	.000	+-.005 (113 %)	3	+34 (115 %)	.003	.0974
WHS	.000	+-.003 (312 %)	22	+83 (290 %)	.024	.9654
YEB	.003	.001-.005 ( 55 %)	103	56-150 ( 46 %)	.110	.4220
MSC	.413	.363-.463 ( 12 %)	30417	26758-33876 ( 11 %)	32.601	.4945
TOT	.433	.380-.487 ( 12 %)	30883	27410-34357 ( 11 %)	33.101	.4950

TABLE LAKE VERMILLION 1997 DAY CREEL FINAL REPORT  
DAYTIME DATA FOR LAKE=LAKE VERMILLION CREEL BEGUN IN YEAR=97

SECTION 1 FROM 03/15 TO 04/08  
SECTION 1 FROM 04/09 TO 04/30  
SECTION 1 FROM 05/01 TO 05/31  
SECTION 1 FROM 06/01 TO 06/15  
SECTION 1 FROM 06/16 TO 08/31  
SECTION 1 FROM 09/01 TO 09/30  
SECTION 1 FROM 10/01 TO 10/31  
SECTION 2 FROM 03/15 TO 04/08  
SECTION 2 FROM 04/09 TO 04/30  
SECTION 2 FROM 05/01 TO 05/31  
SECTION 2 FROM 06/01 TO 06/15  
SECTION 2 FROM 06/16 TO 08/31  
SECTION 2 FROM 09/01 TO 09/30  
SECTION 2 FROM 10/01 TO 10/31

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	4.2	4.1 - 4.3 ( 3%)	.5	11	858
SHORE	2.8	1.8 - 3.7 ( 34%)	.8	5.7	15
BOAT & SHORE	4.2	4.1 - 4.3 ( 3%)	.5	11	873

380 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
58.4% OF ALL 1496 INTERVIEWS WERE COMPLETED TRIPS

SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	9.9	9.2 - 10.6 ( 7%)	1	246	1391
SUCCESS RATING 1-10?	4.7	4.6 - 4.8 ( 3%)	1	10	1390

IS CATCH ILLEGAL?

CLERK NOTED 65 OUT OF 1496 INTERVIEWS HAD ILLEGAL CATCHES

# INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	350 ( 23.4%)	LMB	608 ( 40.6%)
WHC	411 ( 27.5%)	YLB	20 ( 1.3%)
CRP	5 ( .3%)	CCF	56 ( 3.7%)
CAT	33 ( 2.2%)	BLG	11 ( .7%)
WHB	1 ( .1%)	CAP	1 ( .1%)

PARTY SIZE VS. # INTERVIEWS

BOAT	SHORE
1 418	1 146
2 702	2 125
3 57	3 29
4 10	4 8
5	5 1
6	6
7	7
8	8
9	9
10+	10+

TABLE LAKE VERMILLION 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=LAKE VERMILLION CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#LMB	#ANGLERS	#SMB	#ANGLERS	#SMB	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS
0	1357	0	1506	16		0	1434	16	1
1	108	1		17		1	28	17	
2	30	2		18		2	16	18	
3	11	3	1	19		3	15	19	
4	1	4		20		4	3	20	
5		5		21		5	5	21	
6		6		22		6	2	22	
7		7		23		7	1	23	
8		8		24		8	2	24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#LMB	#ANGLERS	#SMB	#ANGLERS	#SMB	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS
0	631	0	1504	16		0	1415	16	
1	244	1	2	17		1	56	17	
2	216	2		18		2	17	18	
3	125	3	1	19		3	7	19	
4	108	4		20		4	4	20	
5	62	5		21		5	2	21	
6	37	6		22		6	4	22	
7	18	7		23		7		23	
8	15	8		24		8	1	24	
9	9	9		25		9		25	
10	22	10		26		10	1	26	
11	4	11		27		11		27	
12	4	12		28		12		28	
13	2	13		29		13		29	
14	1	14		30		14		30	
15+	9	15		31+		15		31+	

(TAXA FOR L.FREQS.= LMB SMB CCF )

TABLE LAKE VERMILLION 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=LAKE VERMILLION CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS
0	1507	0	1071	16		0	1398	16	
1		1	45	17	1	1	58	17	
2		2	65	18	5	2	21	18	
3		3	73	19	1	3	16	19	
4		4	67	20	2	4	4	20	
5		5	51	21		5	4	21	
6		6	27	22		6	1	22	
7		7	11	23		7	1	23	
8		8	24	24		8		24	
9		9	8	25	4	9		25	
10		10	16	26		10		26	
11		11	6	27		11	1	27	
12		12	6	28		12		28	
13		13	12	29		13		29	
14		14		30		14	1	30	
15+		15	12	31+		15	2	31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#WHC	#ANGLERS	#WHC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS
0	1505	0	999	16		0	1353	16	
1	2	1	62	17		1	51	17	
2		2	82	18	3	2	53	18	
3		3	84	19		3	27	19	
4		4	70	20	11	4	9	20	2
5		5	30	21		5	3	21	
6		6	30	22		6	6	22	
7		7	13	23	2	7	1	23	
8		8	40	24		8	1	24	
9		9	1	25	2	9		25	
10		10	30	26		10	1	26	
11		11	3	27		11		27	
12		12	9	28		12		28	
13		13	18	29		13		29	
14		14		30		14		30	
15+		15	15	31+	3	15		31+	

(TAXA FOR L.FREQS.= BLC WHC BLG )

TABLE LAKE VERMILLION 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=LAKE VERMILLION CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#GSF	#ANGLERS	#WAE	#ANGLERS	#WAE	#ANGLERS	#YLB	#ANGLERS	#YLB	#ANGLERS
0	1501	0	1505	16		0	1430	16	
1	6	1	2	17		1	34	17	
2		2		18		2	4	18	
3		3		19		3	6	19	
4		4		20		4	3	20	1
5		5		21		5	2	21	
6		6		22		6	4	22	
7		7		23		7		23	
8		8		24		8	7	24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12	5	28	
13		13		29		13	6	29	
14		14		30		14		30	
15+		15		31+		15	4	31+	1

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#GSF	#ANGLERS	#WAE	#ANGLERS	#WAE	#ANGLERS	#YLB	#ANGLERS	#YLB	#ANGLERS
0	1499	0	1507	16		0	1427	16	
1	7	1		17		1	38	17	
2	1	2		18		2	13	18	
3		3		19		3	6	19	
4		4		20		4	9	20	
5		5		21		5	2	21	
6		6		22		6	3	22	
7		7		23		7		23	
8		8		24		8	6	24	
9		9		25		9		25	
10		10		26		10	2	26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15	1	31+	

(TAXA FOR L.FREQS.= GSF WAE YLB )

TABLE LAKE VERMILLION 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=LAKE VERMILLION CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

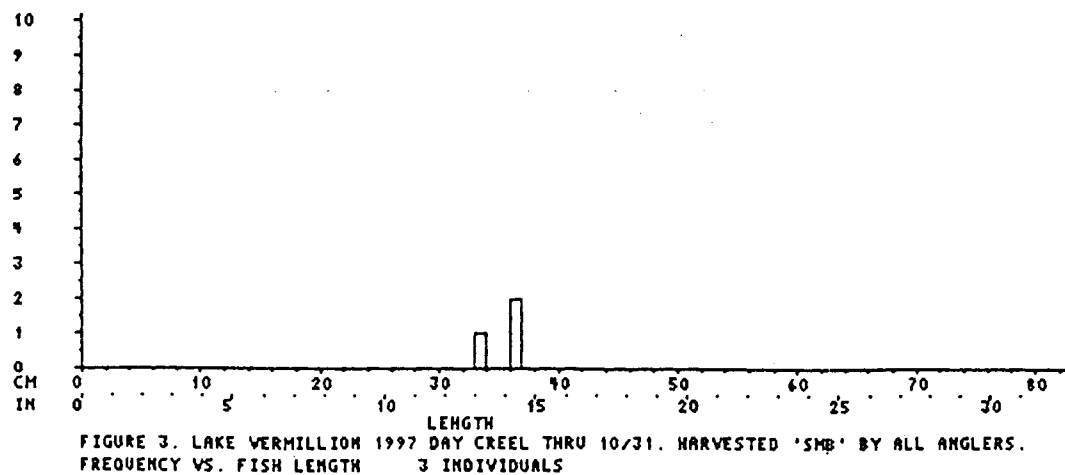
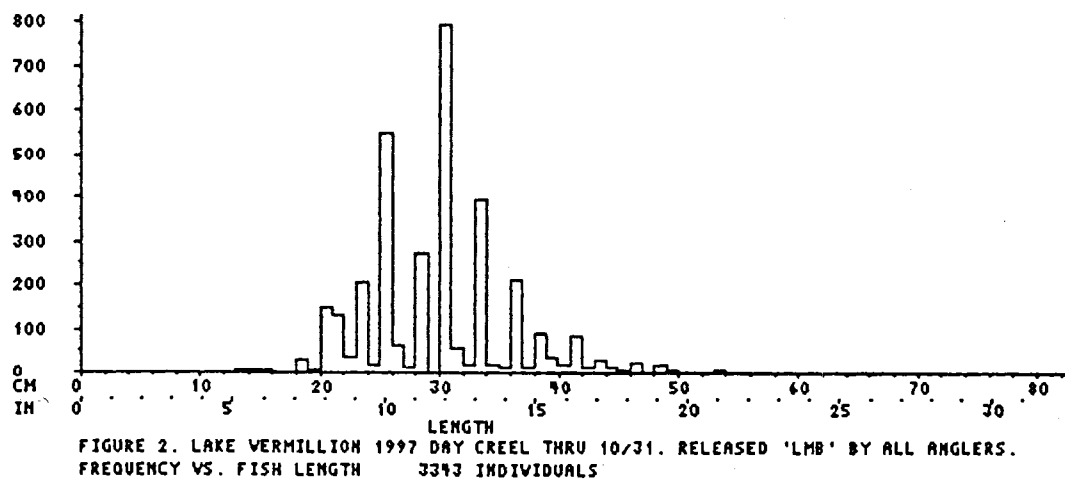
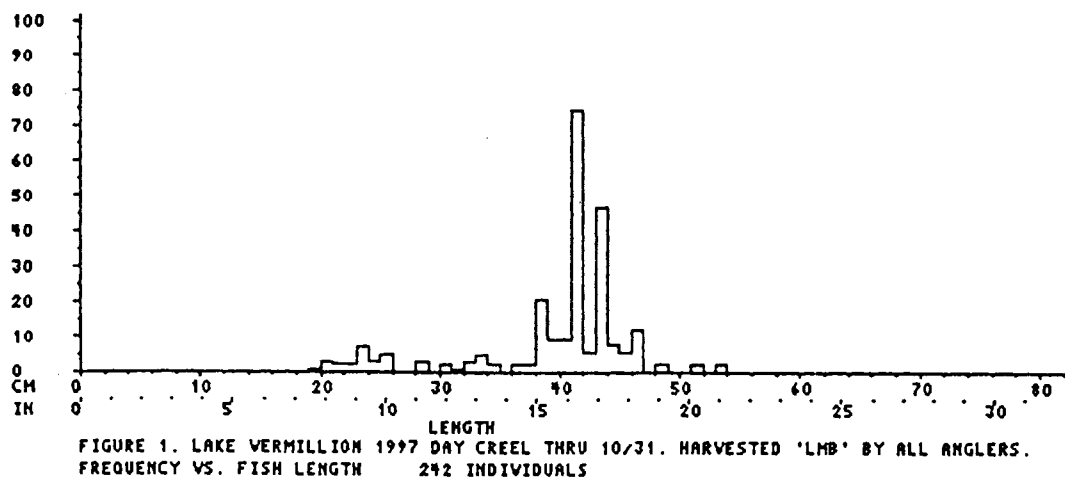
ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLB	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS	#CAP	#ANGLERS	#CAP	#ANGLERS
0	1507	0	1501	16		0	1507	16	
1		1	2	17		1		17	
2		2	4	18		2		18	
3		3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

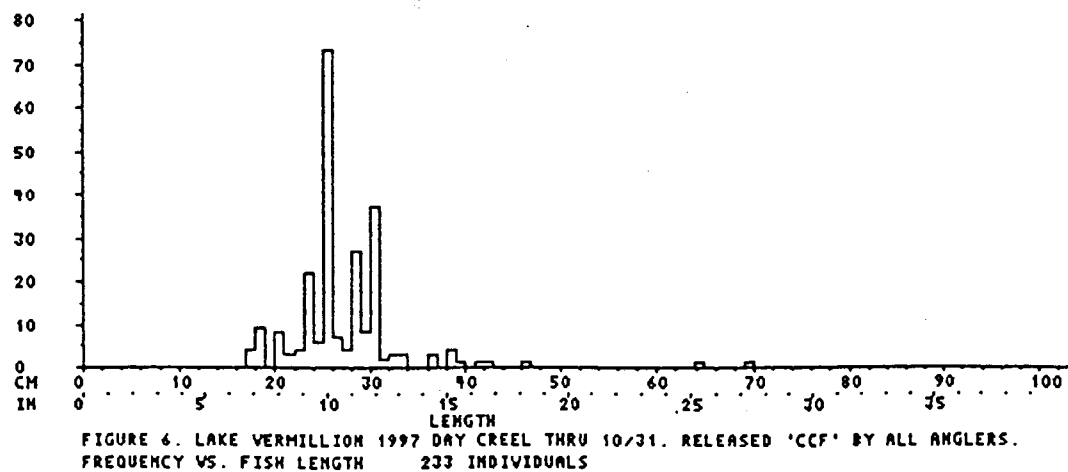
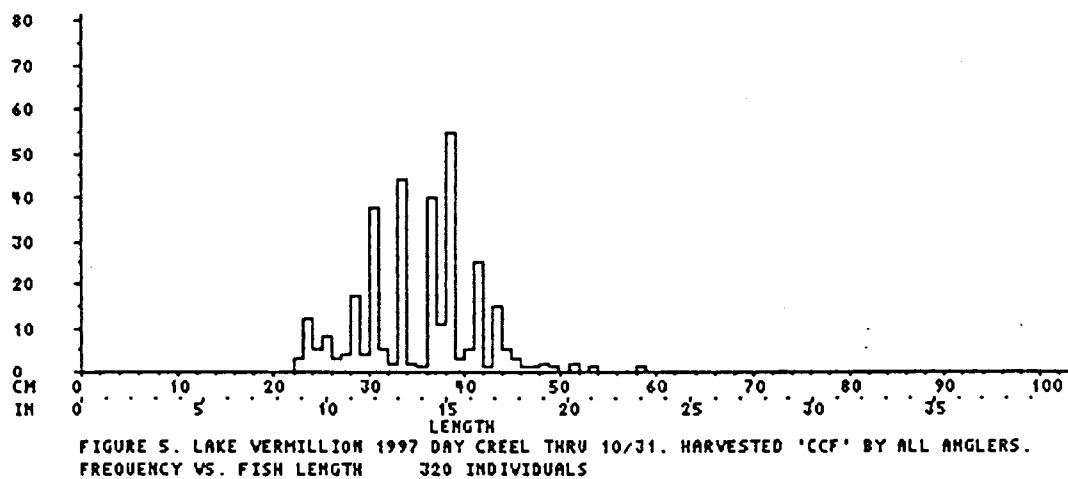
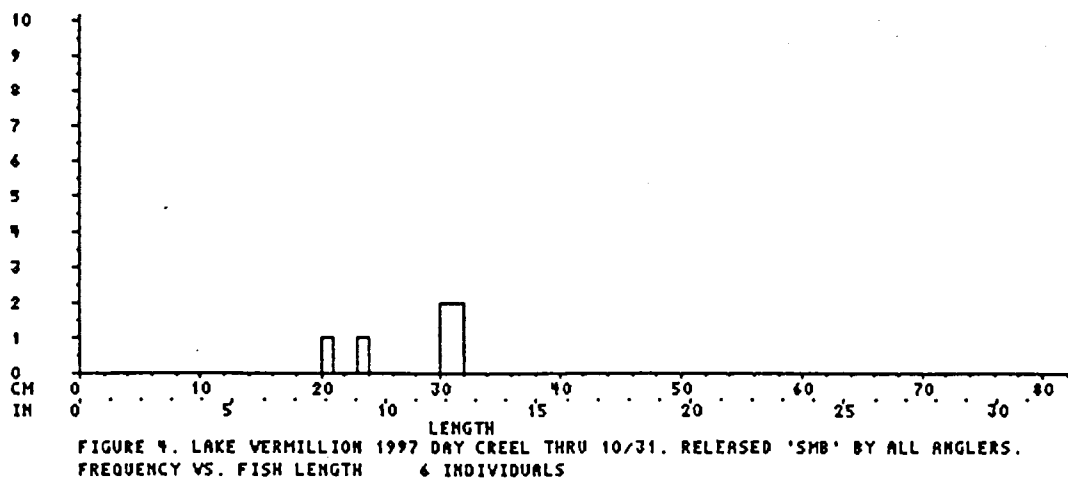
RELEASED FISH:

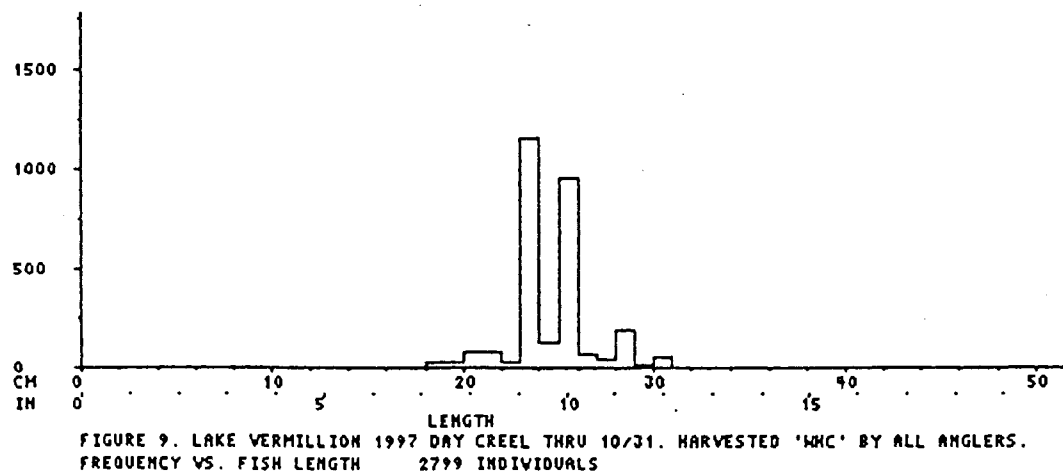
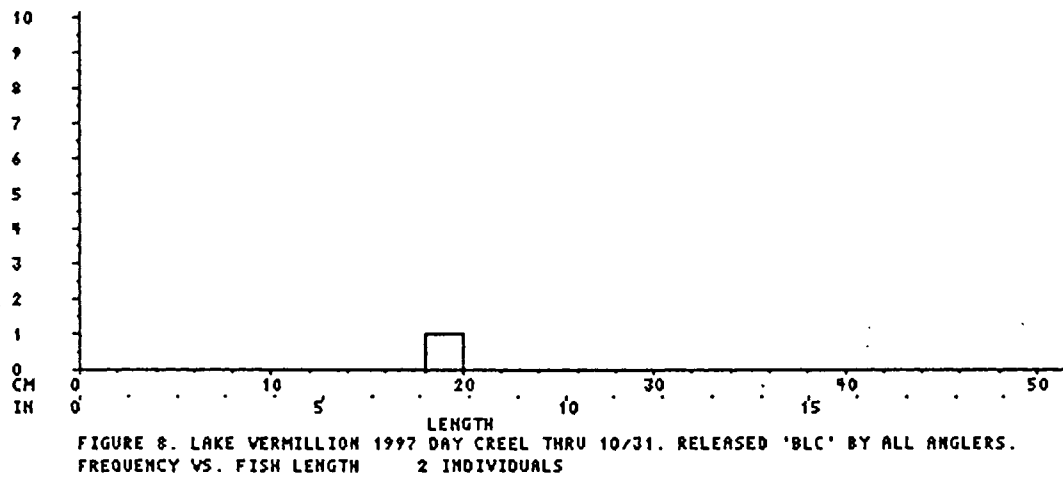
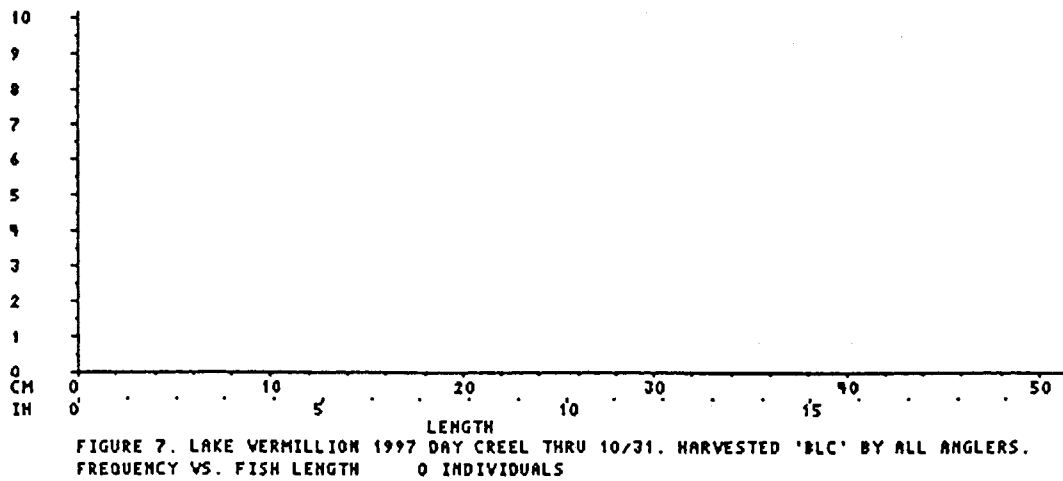
ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLB	#ANGLERS	#YEB	#ANGLERS	#YEB	#ANGLERS	#CAP	#ANGLERS	#CAP	#ANGLERS
0	1505	0	1498	16		0	1498	16	
1		1	7	17		1	9	17	
2	1	2	2	18		2		18	
3	1	3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= BLB YEB CAP )









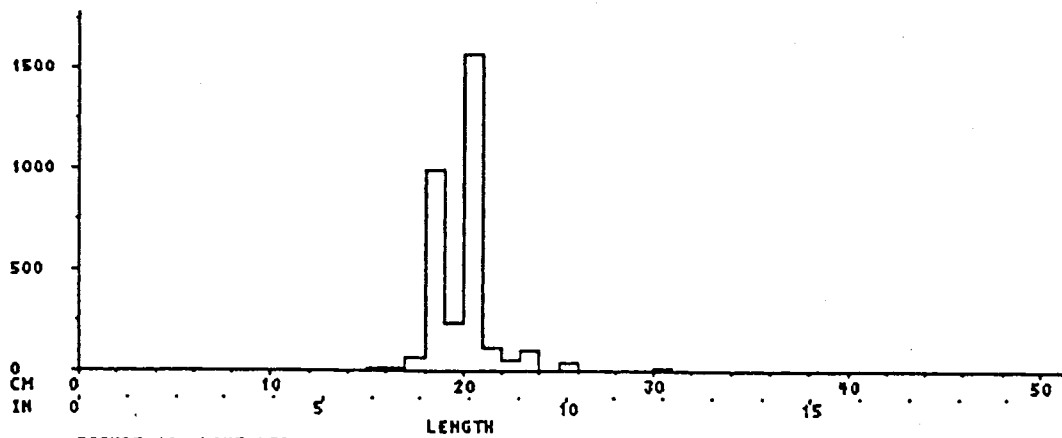


FIGURE 10. LAKE VERMILLION 1997 DAY CREEL THRU 10/31. RELEASED 'MHC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 3249 INDIVIDUALS

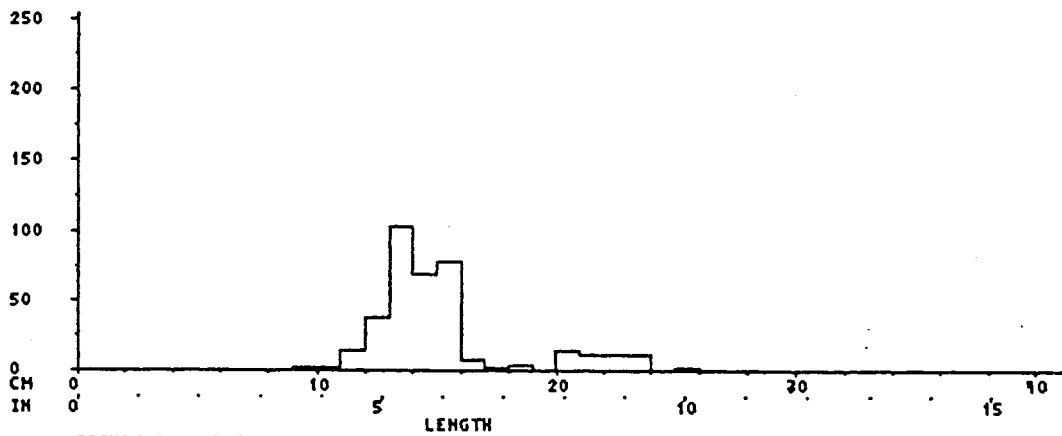


FIGURE 11. LAKE VERMILLION 1997 DAY CREEL THRU 10/31. HARVESTED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 367 INDIVIDUALS

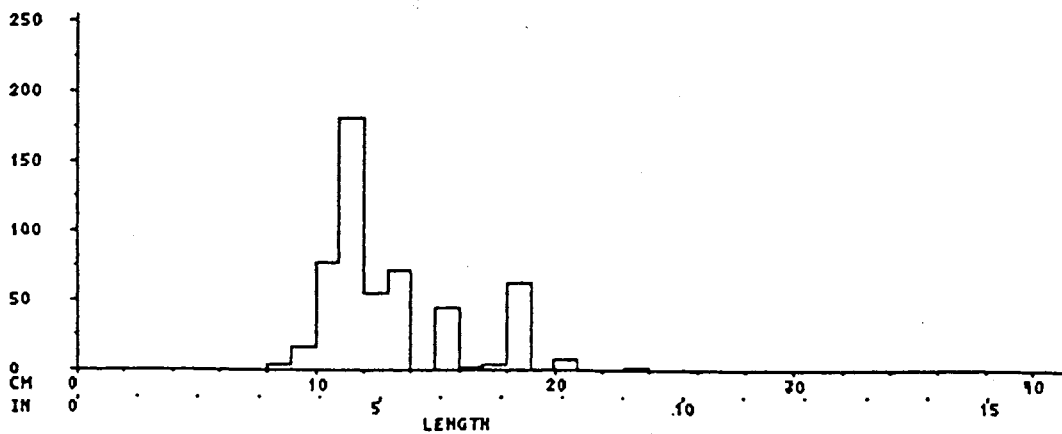


FIGURE 12. LAKE VERMILLION 1997 DAY CREEL THRU 10/31. RELEASED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 522 INDIVIDUALS

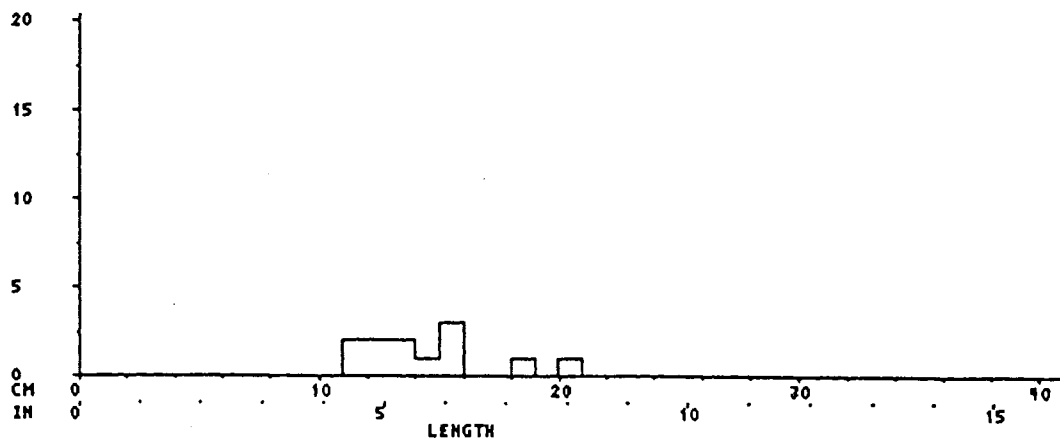


FIGURE 13. LAKE VERMILLION 1997 DAY CREEL THRU 10/31. HARVESTED 'GSF' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 12 INDIVIDUALS

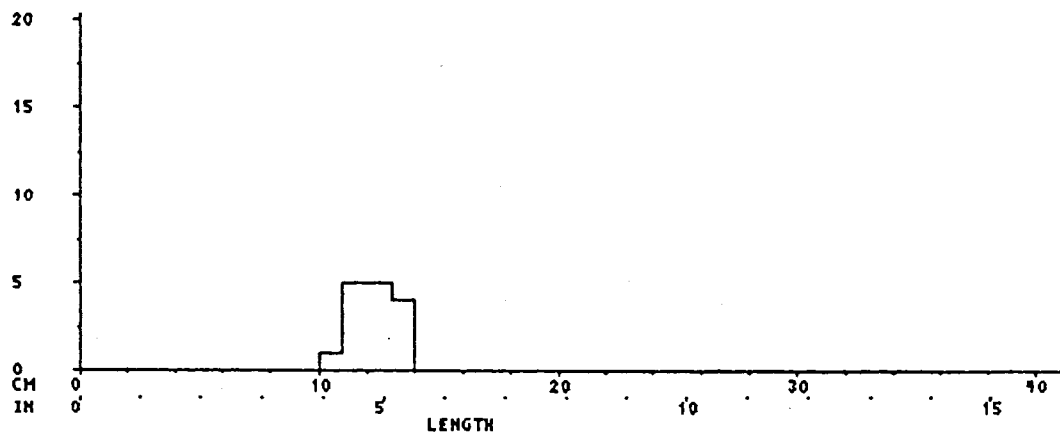


FIGURE 14. LAKE VERMILLION 1997 DAY CREEL THRU 10/31. RELEASED 'GSF' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 15 INDIVIDUALS

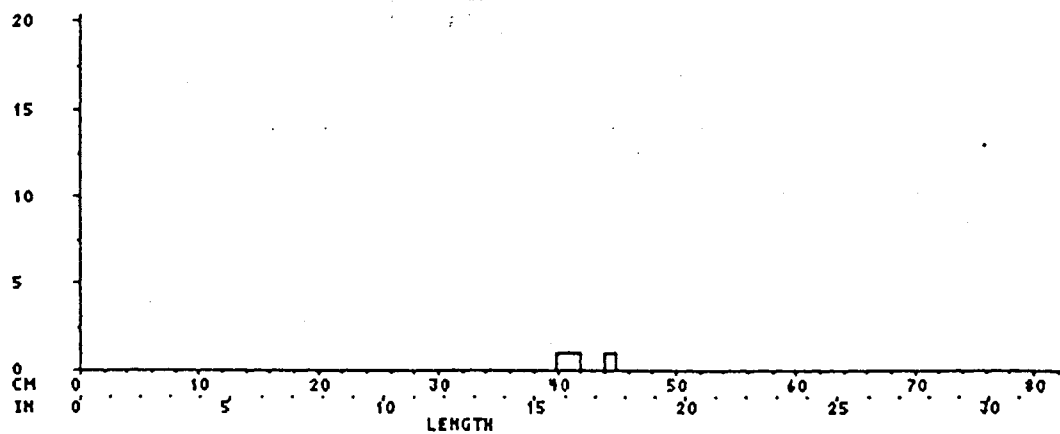
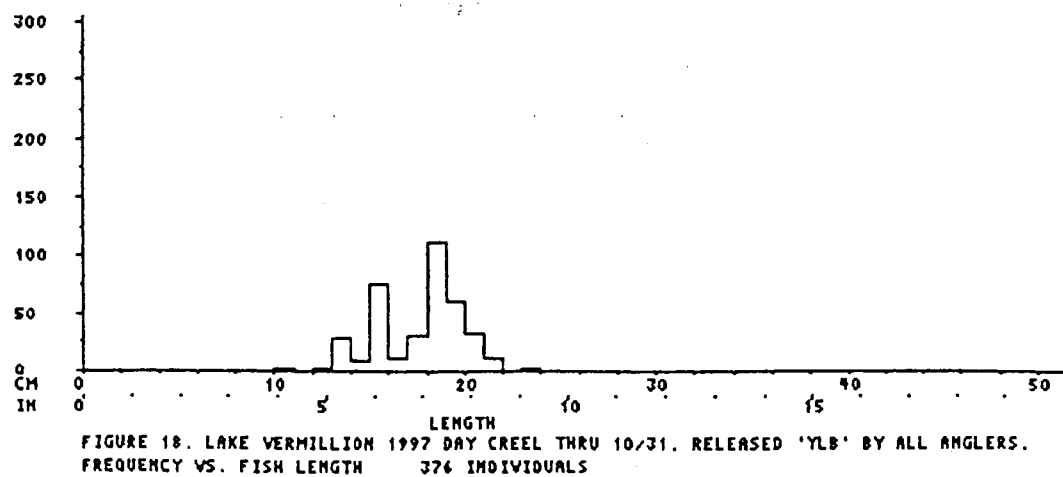
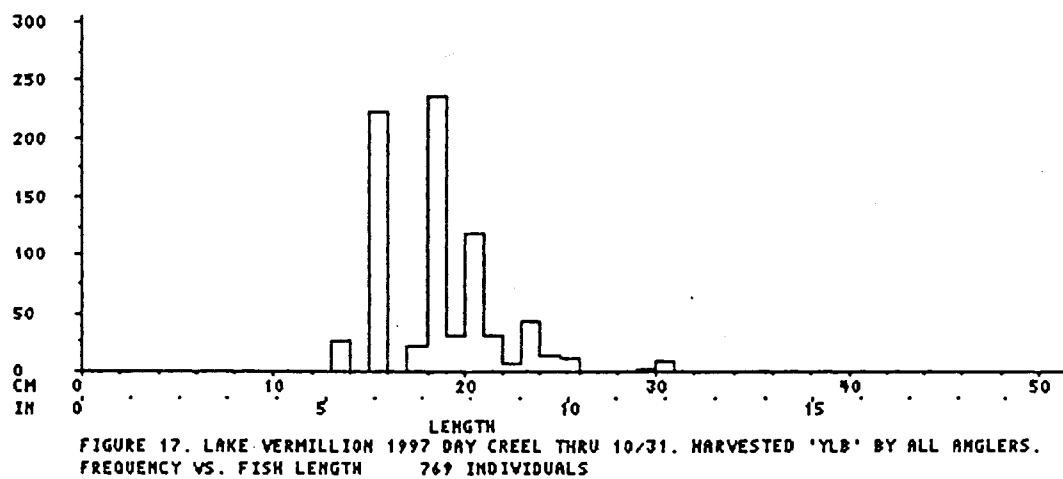
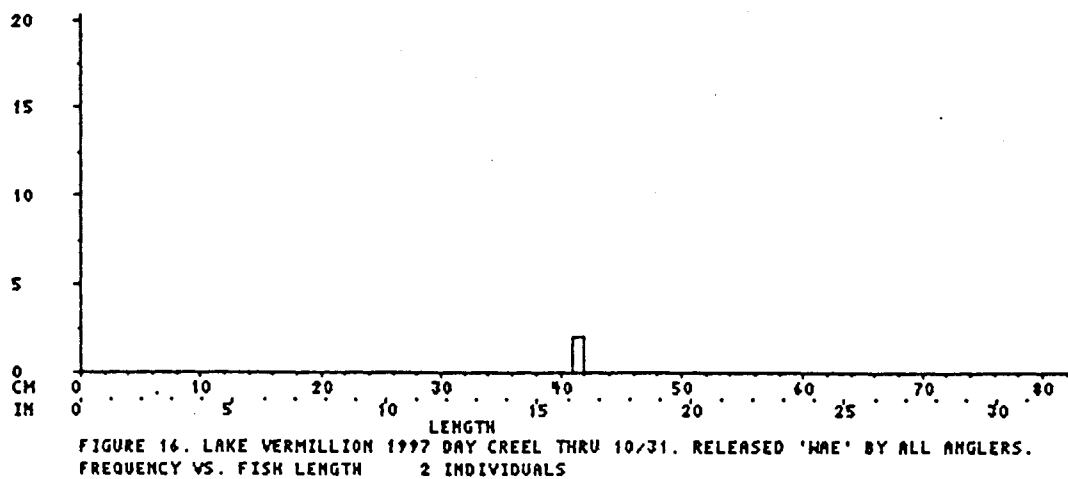


FIGURE 15. LAKE VERMILLION 1997 DAY CREEL THRU 10/31. HARVESTED 'WAE' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 3 INDIVIDUALS



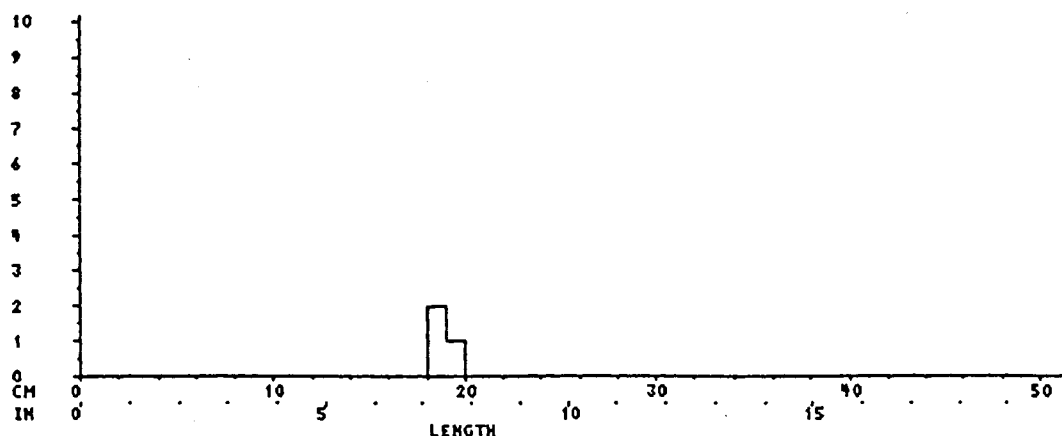


FIGURE 19. LAKE VERMILLION 1997 DAY CREEL THRU 10/31. HARVESTED 'BLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 3 INDIVIDUALS

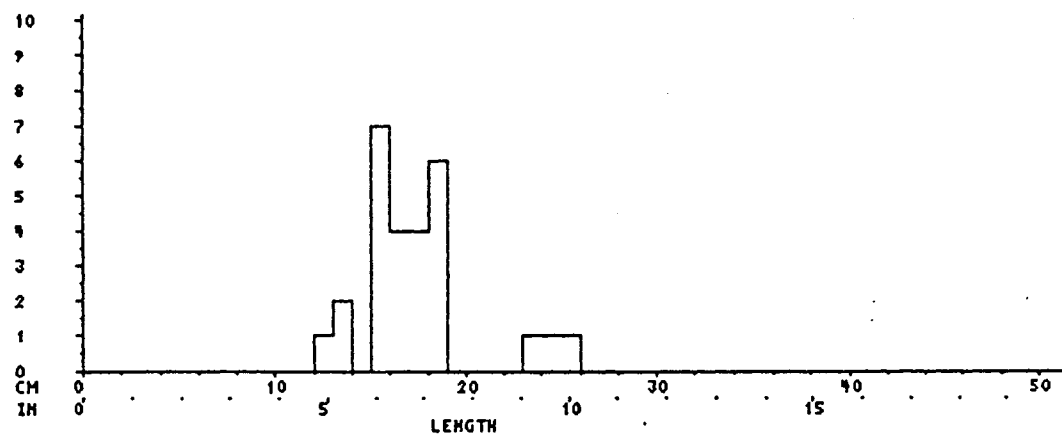


FIGURE 20. LAKE VERMILLION 1997 DAY CREEL THRU 10/31. RELEASED 'BLB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 27 INDIVIDUALS

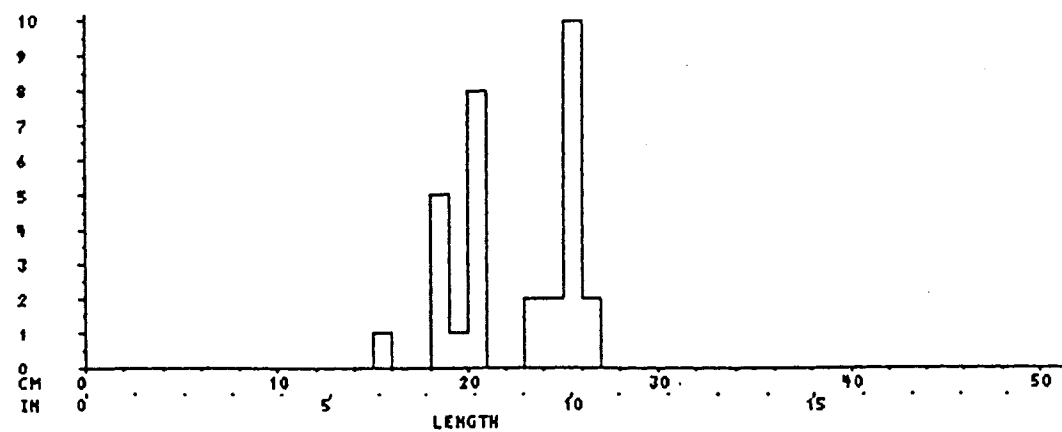
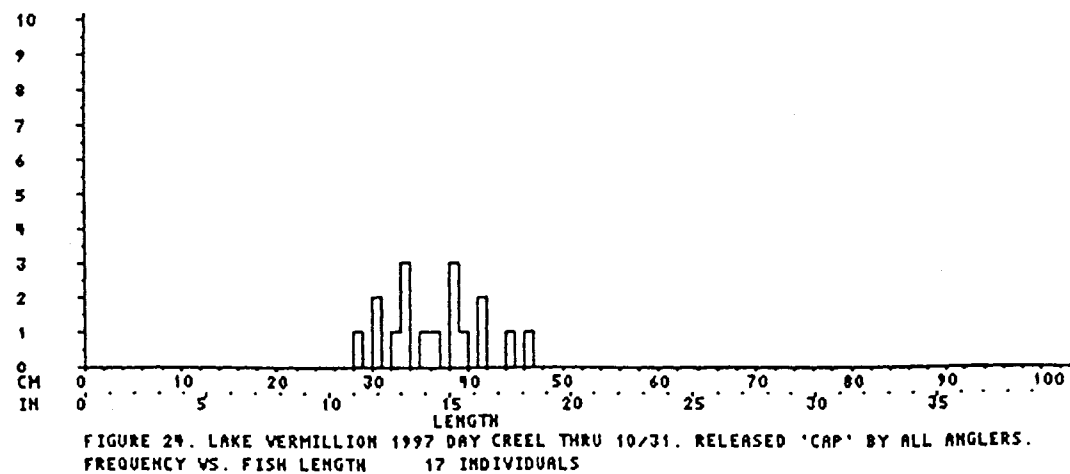
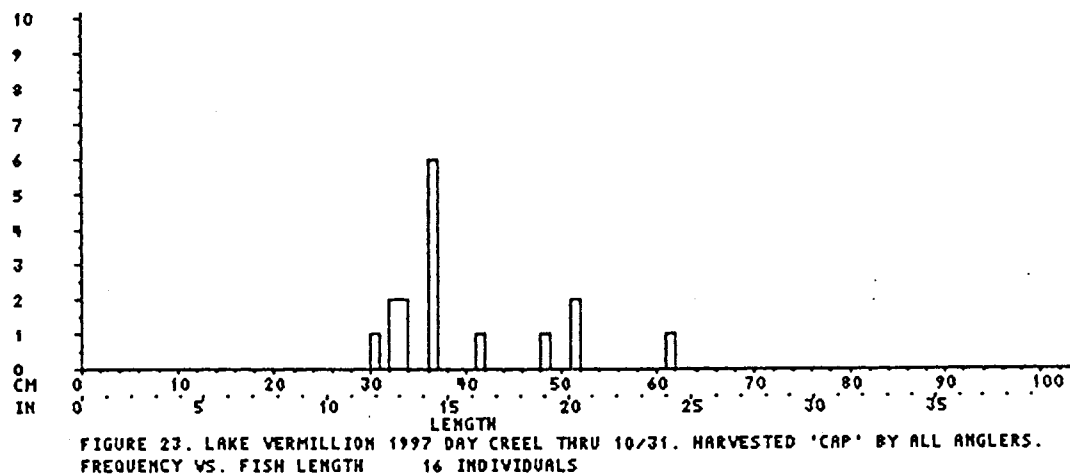
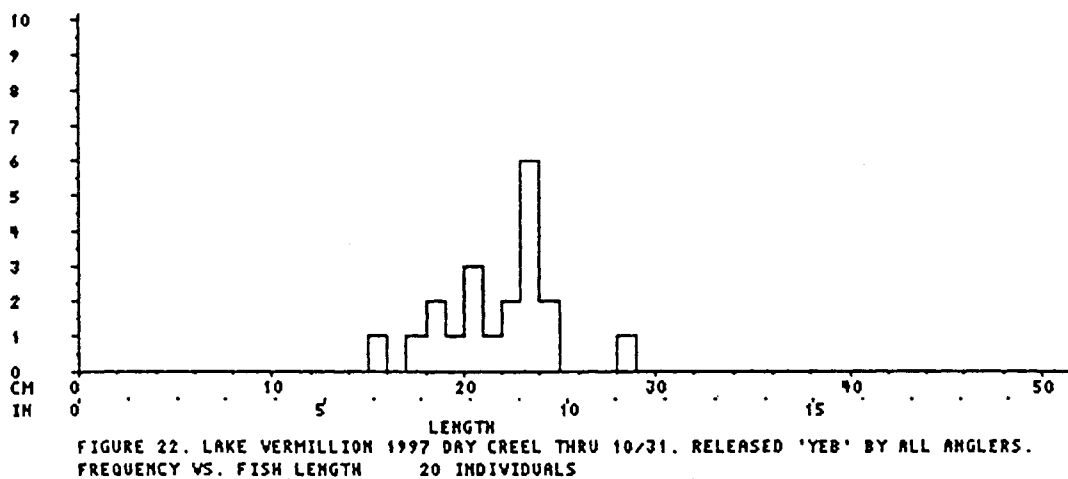


FIGURE 21. LAKE VERMILLION 1997 DAY CREEL THRU 10/31. HARVESTED 'YEB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 31 INDIVIDUALS





EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=3 LAKE :=WALNUT POINT LAKE  
 DISTRICT :=11 YEAR :=97  
 ACREAGE :=52 SAMPLING RATIO :=299/693 = 43.1%  
 NUMBER OF INTERVIEWS:855

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

	ANGL HRS	95% CONF INTVL		HRS/ ACRE	95% CONF INTVL		% EFF INTVD
	-----	-----		-----	-----		-----
BOAT FISHING:							
WEEKDAY	4957	4229-5685	( 15%)	95	81-109	( 15%)	22.89
WKND/HOL	3695	3190-4200	( 14%)	71	61-81	( 14%)	45.83
STR TOTAL	8652	7772-9532	( 10%)	166	149-183	( 10%)	32.69
SHORE FISHING:							
WEEKDAY	783	521-1045	( 33%)	15	10-20	( 33%)	20.88
WKND/HOL	896	623-1169	( 30%)	17	12-22	( 30%)	40.03
STR TOTAL	1679	1314-2044	( 22%)	32	25-39	( 22%)	31.10
BOAT/SHORE COALESCED:							
WEEKDAY	5695	4896-6494	( 14%)	110	94-125	( 14%)	22.79
WKND/HOL	4539	3927-5151	( 13%)	87	76-99	( 13%)	45.21
STR TOTAL	10234	9236-11232	( 10%)	197	178-216	( 10%)	32.74
BOAT/SHORE STRATIFIED:							
WEEKDAY	5742	4971-6513	( 13%)	110	96-125	( 13%)	22.61
WKND/HOL	4592	4028-5156	( 12%)	89	77-99	( 12%)	44.69
STR TOTAL	10334	9384-11284	( 9%)	199	180-217	( 9%)	32.42

HARVESTED AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :=3 LAKE :=WALNUT POINT LAKE  
 DISTRICT :=11 YEAR :=97  
 ACREAGE :=52 SAMPLING RATIO :=528/1386 = 43.1%  
 RATIO OF EFFORT HOURS INTERVIEWED := 3350.2/10337.3 = 32.4%  
 NUMBER OF INTERVIEWS: 855

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:

SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: HARVESTED

SPEC	M/HR	95% CI	M HARVST	95% CI	M/HA	M/ACRE
BLC	.034	.006-.062 ( 83 %)	439	102-777 ( 77 %)	20.87	8.45
BLG	.197	.136-.259 ( 31 %)	3149	2339-3960 ( 26 %)	149.66	60.57
CCF	.025	.005-.045 ( 81 %)	287	169-405 ( 41 %)	13.65	5.53
GSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.038	.001-.074 ( 97 %)	396	186-606 ( 53 %)	18.82	7.62
RSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.274	.208-.377 ( 29 %)	4272	3385-5160 ( 21 %)	203.01	82.16

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AUG WT(G)
BLC	.004	.000-.008 ( 93 %)	57	6-108 ( 90 %)	2.695	127.1
BLG	.019	.012-.026 ( 35 %)	301	210-392 ( 30 %)	14.304	95.6
CCF	.005	+-0.011 (106 %)	46	28-65 ( 40 %)	2.198	161.0
GSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.009	.000-.015 ( 95 %)	96	47-146 ( 51 %)	4.570	242.8
RSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.036	.024-.049 ( 34 %)	500	339-611 ( 22 %)	23.766	117.1

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AUG WT(LB)
BLC	.009	.000-.018 ( 93 %)	125	13-237 ( 90 %)	2.404	.2947
BLG	.042	.027-.057 ( 35 %)	664	464-863 ( 30 %)	12.762	.2107
CCF	.012	+-0.024 (106 %)	102	61-142 ( 40 %)	1.961	.3548
GSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.017	.000-.034 ( 95 %)	212	103-321 ( 51 %)	4.077	.5352
RSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.080	.053-.107 ( 34 %)	1103	858-1343 ( 22 %)	21.204	.2591

CAUGHT AND CPUE TABLE \*\*\* DAY \*\*\*  
 REGION :#3 LAKE :#WALNUT POINT LAKE  
 DISTRICT :#11 YEAR :#97  
 ACREAGE :#52 SAMPLING RATIO :#578/1386 = 43.1%  
 RATIO OF EFFORT HOURS INTERVIEWED :# 3350.2/10337.3 = 32.4%  
 NUMBER OF INTERVIEWS: 855

COMBINED ACROSS STRATA:

YEAR PERIOD 03/15 TO 04/08 OF SECTION 1  
 YEAR PERIOD 04/09 TO 04/30 OF SECTION 1  
 YEAR PERIOD 05/01 TO 05/31 OF SECTION 1  
 YEAR PERIOD 06/01 TO 06/15 OF SECTION 1  
 YEAR PERIOD 06/16 TO 08/31 OF SECTION 1  
 YEAR PERIOD 09/01 TO 09/30 OF SECTION 1  
 YEAR PERIOD 10/01 TO 10/31 OF SECTION 1

MSC SPECIES CAUGHT:

SUBSTRATUM:  
 DAY PERIODS STRATIFIED  
 WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED  
 FISHING TYPE: BOAT/SHORE STRATIFIED  
 FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLC	.037	.009-.066 ( 76 %)	514	154-873 ( 70 %)	24.40	9.89
BLG	.302	.224-.381 ( 26 %)	5835	4613-7057 ( 21 %)	277.28	112.22
CCF	.029	.009-.050 ( 69 %)	406	268-544 ( 34 %)	19.30	7.81
GSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.189	.134-.244 ( 29 %)	3260	2622-3878 ( 20 %)	154.90	62.69
RSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.558	.452-.664 ( 19 %)	10015	8590-11440 ( 14 %)	475.88	192.59

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AUG WT(G)
BLC	.005	.000-.009 ( 84 %)	65	13-116 ( 80 %)	3.075	126.0
BLG	.022	.015-.028 ( 32 %)	367	270-464 ( 26 %)	17.439	62.9
CCF	.006	.000-.011 ( 97 %)	59	38-80 ( 35 %)	2.807	145.5
GSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.031	.021-.041 ( 32 %)	541	421-661 ( 22 %)	25.704	165.9
RSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.063	.049-.078 ( 23 %)	1032	869-1195 ( 16 %)	49.026	103.0

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AUG WT(LB)
BLC	.010	.002-.019 ( 84 %)	143	29-257 ( 80 %)	2.744	.2778
BLG	.048	.032-.063 ( 32 %)	809	595-1023 ( 26 %)	15.559	.1387
CCF	.013	.000-.025 ( 97 %)	130	84-176 ( 35 %)	2.505	.3207
GSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
LMB	.069	.047-.091 ( 32 %)	1193	928-1457 ( 22 %)	22.933	.3658
RSF		*** NOT RECORDED ***		*** NOT RECORDED ***		
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.140	.108-.171 ( 23 %)	2275	1914-2635 ( 16 %)	43.741	.2271

SECTION 1	FROM	03/15	TO	04/08
SECTION 1	FROM	04/09	TO	04/30
SECTION 1	FROM	05/01	TO	05/31
SECTION 1	FROM	06/01	TO	06/15
SECTION 1	FROM	06/16	TO	08/31
SECTION 1	FROM	09/01	TO	09/30
SECTION 1	FROM	10/01	TO	10/31

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	2.8	2.6 - 2.9 ( 6%)	.8	7	214
SHORE	1.9	1.7 - 2.2 ( 13%)	.7	4.5	48
BOAT & SHORE	2.6	2.5 - 2.8 ( 6%)	.7	7	262

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	36.4	34.1 - 38.7 ( 6%)	1	300	772
SUCCESS RATING 1-10?	5	4.9 - 5.1 ( 2%)	1	10	773

# INTERVIEWS (AND %) PER SPECIES SOUGHT			
ANY	148 ( 18%)	LMB	249 ( 30.4%)
CCF	39 ( 4.8%)	BLC	73 ( 8.9%)
BLG	311 ( 37.9%)		

PARTY SIZE VS. # INTERVIEWS	
BOAT	SHORE
1 211	1 68
2 393	2 55
3 53	3 15
4 12	4 7
5 2	5 2
6	6 1
7	7
8	8
9	9
10+	10+ 1

TABLE WALNUT POINT LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=WALNUT POINT LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS
0	471	0	415	16	1	0	458	16	
1	2	1	15	17		1	11	17	
2	1	2	7	18		2	7	18	
3	2	3	16	19		3	1	19	
4		4	6	20		4	1	20	
5		5	5	21	2	5		21	
6	1	6	1	22		6	2	22	
7	1	7		23		7		23	
8		8	2	24		8		24	
9	2	9		25	3	9		25	
10		10	4	26		10		26	
11		11		27		11		27	
12		12	1	28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15	1	31+	1	15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS	#CCF	#ANGLERS	#CCF	#ANGLERS
0	472	0	373	16		0	461	16	
1	6	1	33	17		1	18	17	
2		2	22	18		2		18	
3		3	18	19		3		19	
4		4	9	20		4		20	
5	2	5	7	21		5		21	
6		6	10	22		6	1	22	
7		7		23		7		23	
8		8	1	24		8		24	
9		9		25		9		25	
10		10	5	26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15	2	31+		15		31+	

(TAXA FOR L.FREQS.= BLC BLG CCF )

TABLE WALNUT POINT LAKE 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=WALNUT POINT LAKE CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#LMB	#ANGLERS	#	#ANGLERS	#	#ANGLERS	#	#ANGLERS	#	#ANGLERS
0	457	0	480	16		0	480	16	
1	11	1		17		1		17	
2	6	2		18		2		18	
3	4	3		19		3		19	
4	2	4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#LMB	#ANGLERS	#	#ANGLERS	#	#ANGLERS	#	#ANGLERS	#	#ANGLERS
0	355	0	480	16		0	480	16	
1	35	1		17		1		17	
2	9	2		18		2		18	
3	42	3		19		3		19	
4	8	4		20		4		20	
5	7	5		21		5		21	
6	16	6		22		6		22	
7	2	7		23		7		23	
8	4	8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12	1	12		28		12		28	
13		13		29		13		29	
14	1	14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= LMB )

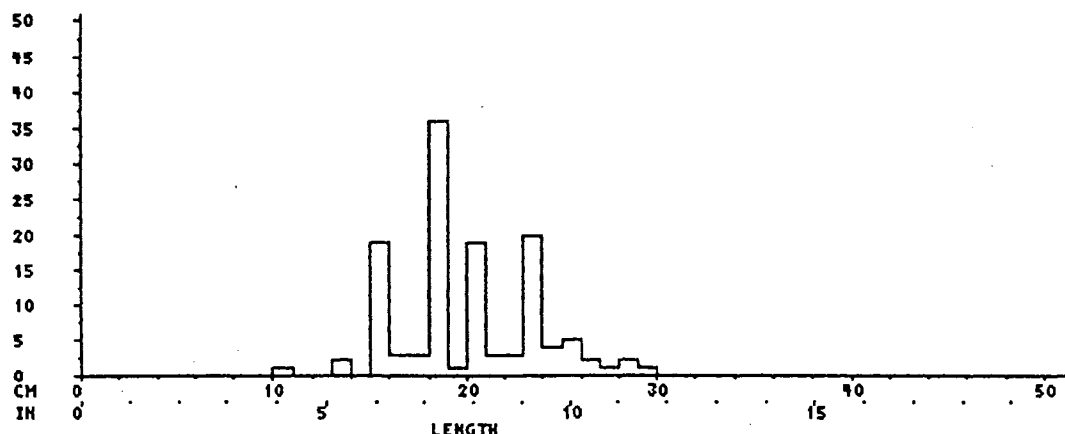


FIGURE 1. WALNUT POINT LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLC' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 125 INDIVIDUALS

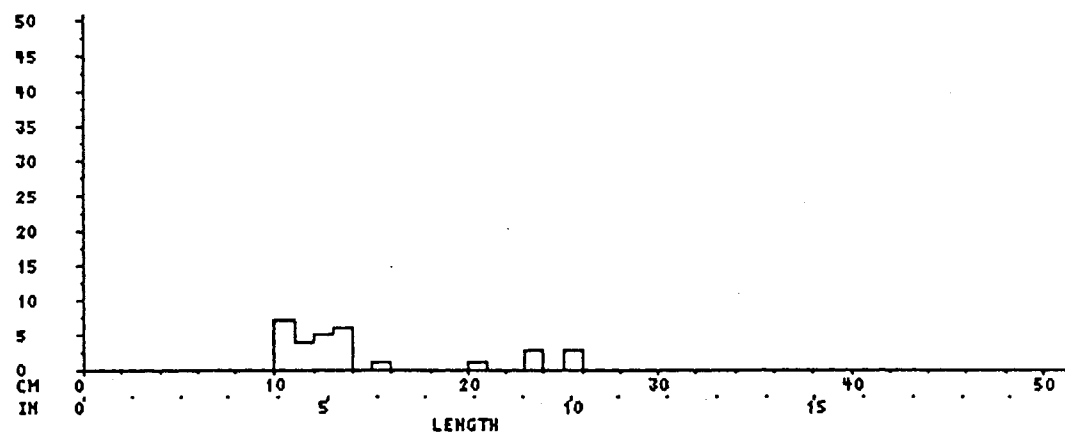


FIGURE 2. WALNUT POINT LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'BLC' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 30 INDIVIDUALS

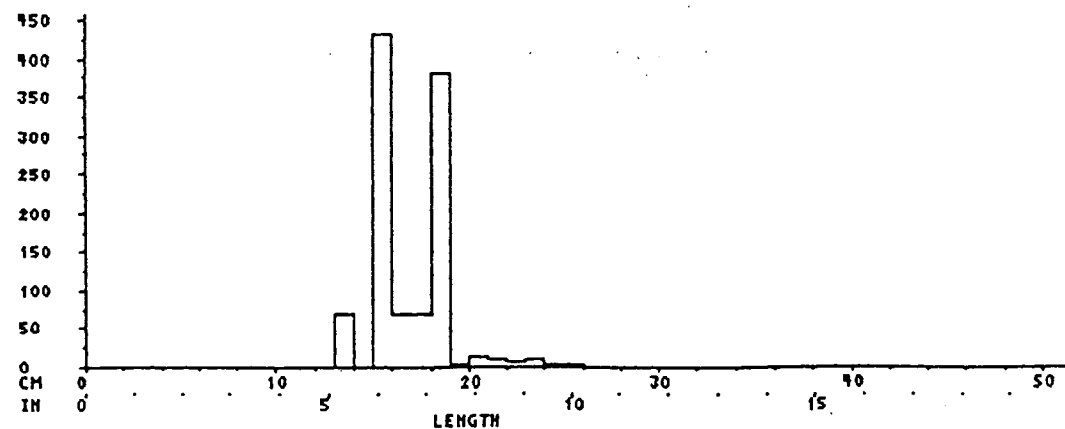
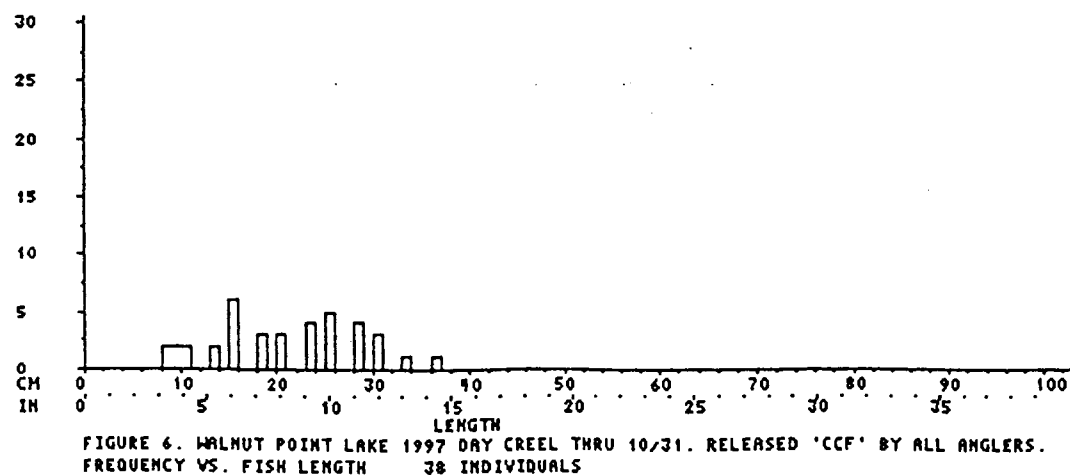
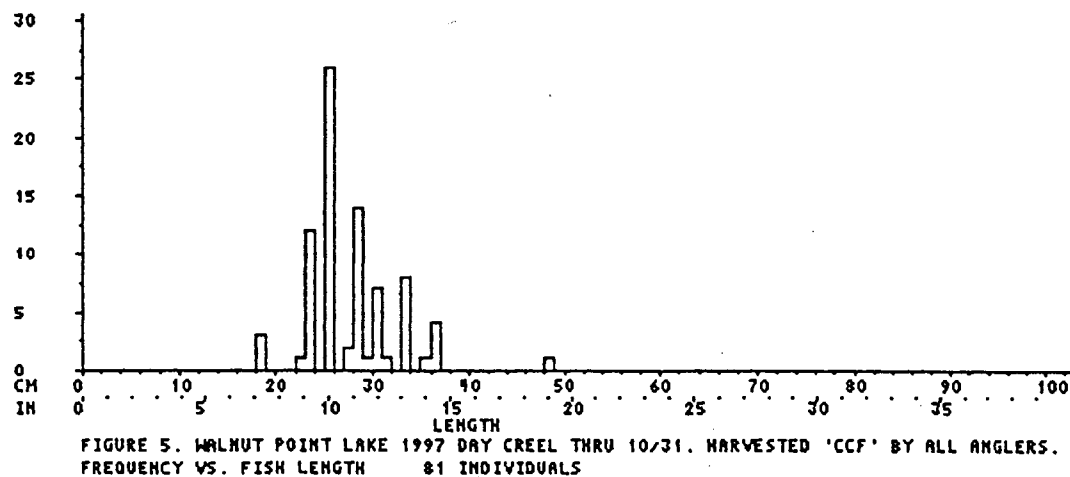
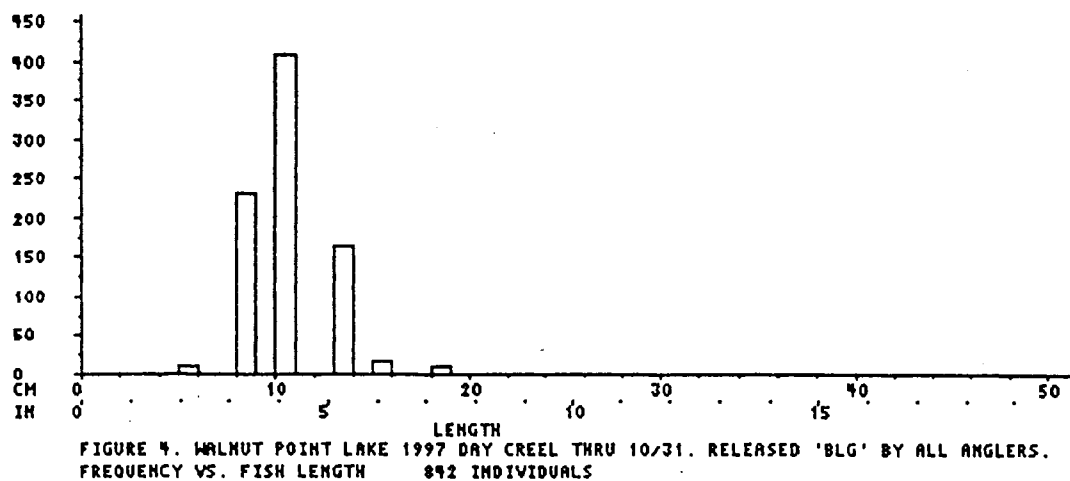


FIGURE 3. WALNUT POINT LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'BLG' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 1061 INDIVIDUALS





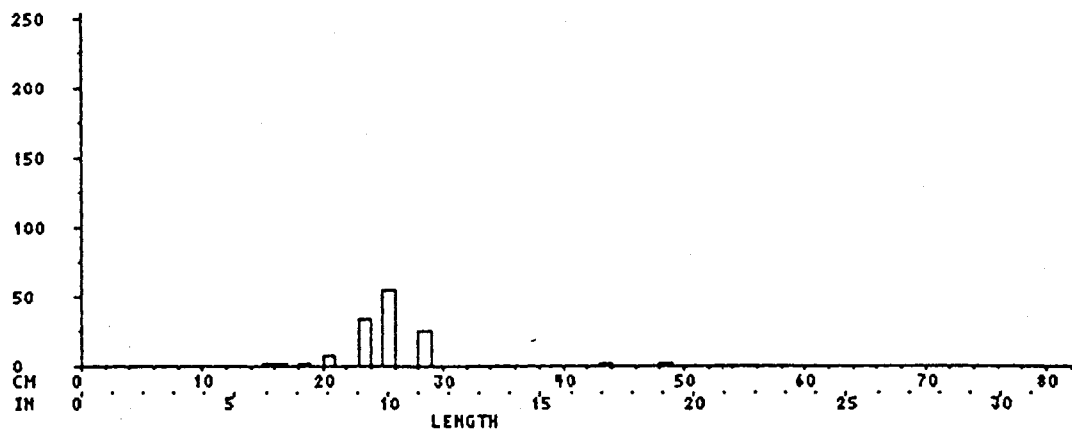


FIGURE 7. WALNUT POINT LAKE 1997 DAY CREEL THRU 10/31. HARVESTED 'LMB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 129 INDIVIDUALS

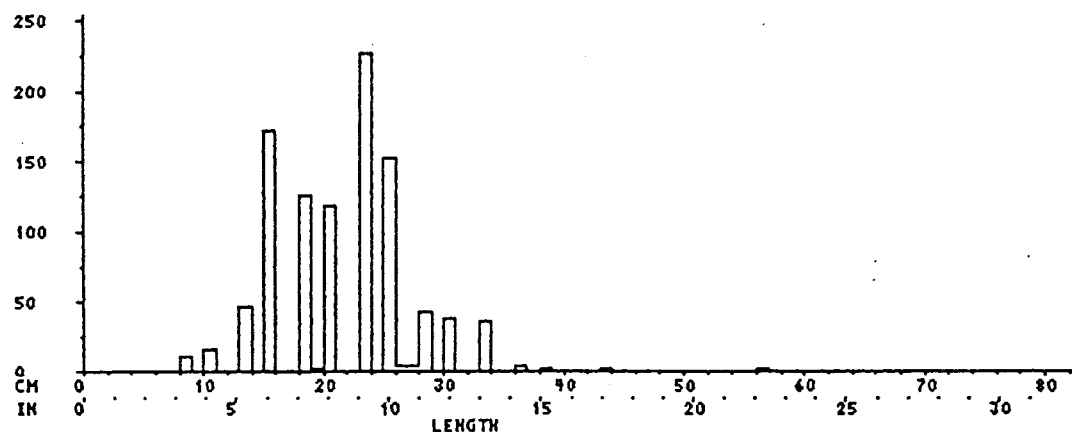


FIGURE 8. WALNUT POINT LAKE 1997 DAY CREEL THRU 10/31. RELEASED 'LMB' BY ALL ANGLERS. FREQUENCY VS. FISH LENGTH 995 INDIVIDUALS

## **Ice Creels**

EFFORT TABLE FOR THE FULL DAY \*\*\* DAY \*\*\*

REGION :=1 LAKE :=POTTERS MARSH  
 DISTRICT :=01 YEAR :=97  
 ACREAGE :2300 SAMPLING RATIO :=135/354 = 38.1%  
 NUMBER OF INTERVIEWS:287

YEAR PERIOD 01/01 TO 02/15 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 02/16 TO 02/28 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 01/01 TO 02/15 OF SECTION 2 COALESCED WITH  
 YEAR PERIOD 02/16 TO 02/28 OF SECTION 2

	ANGL HRS	95% CONF INTVL	HRS/ ACRE	95% CONF INTVL	% EFF INTVD
BOAT FISHING:					
WEEKDAY	2047	1433-2661 ( 30%)		-1 ( 30%)	22.39
WKND/HOL	2447	1796-3098 ( 27%)	1	-1 ( 27%)	28.21
STR TOTAL	4494	3613-5375 ( 20%)	2	2-2 ( 20%)	25.56
SHORE FISHING:					
WEEKDAY	0	( 0%)	0	( 0%)	
WKND/HOL	0	( 0%)	0	( 0%)	
STR TOTAL	0	( 0%)	0	( 0%)	0
BOAT/SHORE COALESCED:					
WEEKDAY	2047	1433-2661 ( 30%)		-1 ( 30%)	22.39
WKND/HOL	2447	1796-3098 ( 27%)	1	-1 ( 27%)	28.21
STR TOTAL	4494	3613-5375 ( 20%)	2	2-2 ( 20%)	25.56
BOAT/SHORE STRATIFIED:					
WEEKDAY	2047	1433-2661 ( 30%)		-1 ( 30%)	22.39
WKND/HOL	2447	1796-3098 ( 27%)	1	-1 ( 27%)	28.21
STR TOTAL	4494	3613-5375 ( 20%)	2	2-2 ( 20%)	25.56

## HARVESTED AND CPUE TABLE BY SUBSTRATUM ACROSS STRATA

\*\*\* DAY \*\*\*

REGION :=1 LAKE :=POTTERS MARSH  
 DISTRICT :=01 YEAR :=97  
 ACREAGE :2300 SAMPLING RATIO :=135/354 = 38.1%  
 RATIO OF EFFORT HOURS INTERVIEWED := 1148.4/4496.6 = 25.53%  
 NUMBER OF INTERVIEWS: 287

## COMBINED ACROSS STRATA:

YEAR PERIOD 01/01 TO 02/15 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 02/16 TO 02/28 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 01/01 TO 02/15 OF SECTION 2 COALESCED WITH  
 YEAR PERIOD 02/16 TO 02/28 OF SECTION 2

## MSC SPECIES CAUGHT:

## SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE COALESCED

FISH: HARVESTED

SPEC	#/HR	95% CI	# HARVST	95% CI	#/HA	#/ACRE
BLC	.012	.003-.021 ( 75 %)	84	31-137 ( 63 %)	.09	.04
BLG	.110	.062-.158 ( 44 %)	1112	551-1673 ( 50 %)	1.19	.49
LMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
RSF	.134	.062-.207 ( 54 %)	1009	483-1535 ( 52 %)	1.08	.44
SMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
YEP	.061	.025-.097 ( 60 %)	360	173-547 ( 52 %)	.39	.16
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.317	.212-.423 ( 33 %)	2565	1469-3662 ( 43 %)	2.76	1.12

SPEC	KG/HR	95% CI	KG HARVST	95% CI	KG/HA	AVG WT(G)
BLC	.002	.000-.003 ( 73 %)	13	4-21 ( 66 %)	.014	153.5
BLG	.011	.006-.016 ( 46 %)	106	54-158 ( 49 %)	.114	95.2
LMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
RSF	.014	.006-.021 ( 55 %)	95	46-143 ( 51 %)	.102	94.0
SMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
YEP	.007	.002-.012 ( 66 %)	38	18-58 ( 52 %)	.041	106.5
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.034	.022-.045 ( 34 %)	252	150-354 ( 40 %)	.271	98.2

SPEC	LB/HR	95% CI	LB HARVST	95% CI	LB/ACRE	AVG WT(LB)
BLC	.004	.001-.007 ( 73 %)	28	10-47 ( 66 %)	.012	.3384
BLG	.025	.013-.036 ( 46 %)	234	120-347 ( 49 %)	.102	.2099
LMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
RSF	.030	.014-.047 ( 55 %)	209	102-316 ( 51 %)	.091	.2071
SMB		*** NOT RECORDED ***		*** NOT RECORDED ***		
YEP	.016	.005-.026 ( 66 %)	85	40-129 ( 52 %)	.037	.2348
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.075	.049-.100 ( 34 %)	555	332-779 ( 40 %)	.242	.2165

## CAUGHT AND CPUE TABLE BY SUBSTRATUM ACROSS STRATA

\*\*\* DAY \*\*\*

REGION :=1 LAKE :=POTTERS MARSH  
 DISTRICT :=01 YEAR :=97  
 ACREAGE :2300 SAMPLING RATIO :=135/354 = 38.1%  
 RATIO OF EFFORT HOURS INTERVIEWED := 1148.4/4496.6 = 25.53%  
 NUMBER OF INTERVIEWS: 297

## COMBINED ACROSS STRATA:

YEAR PERIOD 01/01 TO 02/15 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 02/16 TO 02/28 OF SECTION 1 COALESCED WITH  
 YEAR PERIOD 01/01 TO 02/15 OF SECTION 2 COALESCED WITH  
 YEAR PERIOD 02/16 TO 02/28 OF SECTION 2

## MSC SPECIES CAUGHT:

## SUBSTRATUM:

DAY PERIODS STRATIFIED

WEEKDAY/WEEKEND: WEEKDAY/WEEKEND STRATIFIED

FISHING TYPE: BOAT/SHORE COALESCED

FISH: CAUGHT

SPEC	#/HR	95% CI	# CAUGHT	95% CI	#/HA	#/ACRE
BLC	.014	.004-.024 ( 69 %)	106	42-169 ( 60 %)	.11	.05
BLG	.223	.110-.335 ( 50 %)	2336	1191-3482 ( 49 %)	2.51	1.02
LMB	.018	+-0.047 (157 %)	150	+-346 (131 %)	.16	.07
RSF	.296	.166-.426 ( 44 %)	2750	1452-4047 ( 47 %)	2.95	1.20
SMB	.000	+-0.001 (202 %)	6	+-18 (202 %)	.00	.00
YEP	.090	.046-.134 ( 49 %)	611	248-973 ( 59 %)	.66	.27
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.641	.429-.853 ( 33 %)	5958	3603-8313 ( 40 %)	6.40	2.59

SPEC	KG/HR	95% CI	KG CAUGHT	95% CI	KG/HA	AVG WT(G)
BLC	.002	.000-.003 ( 71 %)	14	5-22 ( 64 %)	.015	128.5
BLG	.015	.008-.022 ( 48 %)	146	76-216 ( 48 %)	.157	62.5
LMB	.002	+-0.006 (146 %)	21	+-46 (120 %)	.022	139.2
RSF	.018	.010-.027 ( 48 %)	144	77-212 ( 47 %)	.155	52.5
SMB	.000	+-0.000 (202 %)		+-0.46364 (202 %)	.000	26.5
YEP	.008	.003-.013 ( 60 %)	44	23-66 ( 49 %)	.048	72.5
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.046	.030-.061 ( 34 %)	369	227-511 ( 39 %)	.397	62.0

SPEC	LB/HR	95% CI	LB CAUGHT	95% CI	LB/ACRE	AVG WT(LB)
BLC	.004	.001-.007 ( 71 %)	30	11-49 ( 64 %)	.013	.2833
BLG	.033	.017-.049 ( 48 %)	322	167-476 ( 48 %)	.140	.1377
LMB	.005	+-0.013 (146 %)	46	+-101 (120 %)	.020	.3068
RSF	.040	.021-.060 ( 48 %)	318	170-466 ( 47 %)	.138	.1158
SMB	.000	+-0.000 (202 %)		+-1 (202 %)	.000	.0583
YEP	.018	.007-.028 ( 60 %)	98	50-145 ( 49 %)	.042	.1598
MSC		*** NOT RECORDED ***		*** NOT RECORDED ***		
TOT	.101	.067-.135 ( 34 %)	814	500-1128 ( 39 %)	.354	.1366

TABLE POTTERS MARSH 1997 DAY CREEL FINAL REPORT  
 DAYTIME DATA FOR LAKE=POTTERS MARSH CREEL BEGUN IN YEAR=97

SECTION 1 FROM 01/01 TO 02/15  
 SECTION 1 FROM 02/16 TO 02/28  
 SECTION 2 FROM 01/01 TO 02/15  
 SECTION 2 FROM 02/16 TO 02/28

---

HOURS PER COMPLETED TRIP:

	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
BOAT	2.9	2.6 - 3.2 ( 10%)	.4	9	131
SHORE	***	NO DATA ***			
BOAT & SHORE	2.9	2.6 - 3.2 ( 10%)	.4	9	131

23 SAMPLES WERE FROM SPLIT INTERVIEWS OF COMPLETED TRIPS  
 49.2% OF ALL 266 INTERVIEWS WERE COMPLETED TRIPS

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SUPPLEMENTARY DATA:

QUESTION	MEAN	95% CONF. INTVL. OF MEAN	MIN.	MAX.	#SAMPLES
DISTANCE TRAVELLED IN MILES	29.7	25.8 - 33.6 ( 13%)	1	275	254
SUCCESS RATING 1-10?	2.3	2.1 - 2.6 ( 12%)	1	10	254

IS CATCH ILLEGAL?

CLERK NOTED 0 OUT OF 266 INTERVIEWS HAD ILLEGAL CATCHES

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# INTERVIEWS (AND %) PER SPECIES SOUGHT

ANY	243 ( 91.4%)	BLG	20 ( 7.5%)
YEP	3 ( 1.1%)		

PARTY SIZE VS. # INTERVIEWS

	BOAT	SHORE
1	109	1
2	117	2
3	31	3
4	6	4
5	2	5
6	1	6
7		7
8		8
9		9
10+		10+

TABLE POTTERS MARSH 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=POTTERS MARSH CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS	#RSF	#ANGLERS	#RSF	#ANGLERS
0	219	0	156	16		0	167	16	
1	14	1	35	17		1	27	17	
2	1	2	15	18		2	24	18	
3		3	18	19		3	11	19	
4		4	8	20		4	2	20	
5		5	2	21		5	1	21	
6		6		22		6	1	22	
7		7		23		7		23	
8		8		24		8	1	24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#BLC	#ANGLERS	#BLG	#ANGLERS	#BLG	#ANGLERS	#RSF	#ANGLERS	#RSF	#ANGLERS
0	230	0	209	16		0	220	16	
1	3	1	16	17		1	8	17	
2	1	2	5	18		2	4	18	
3		3	2	19		3		19	
4		4		20		4	1	20	
5		5	1	21		5	1	21	
6		6		22		6		22	
7		7	1	23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= BLC BLG RSF )

TABLE POTTERS MARSH 1997 DAY CREEL FINAL REPORT CONTINUED  
 DAYTIME DATA FOR LAKE=POTTERS MARSH CREEL BEGUN IN YEAR=97

# FISH HARVESTED/RELEASED BY # ANGLER-COMPLETED TRIPS FOR DIFFERENT TAXA

HARVESTED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#YEP	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS	#SMB	#ANGLERS	#SMB	#ANGLERS
0	193	0	234	16		0	234	16	
1	27	1		17		1		17	
2	10	2		18		2		18	
3	4	3		19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

RELEASED FISH:

ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES		ALL SIZES	
#YEP	#ANGLERS	#LMB	#ANGLERS	#LMB	#ANGLERS	#SMB	#ANGLERS	#SMB	#ANGLERS
0	228	0	229	16		0	233	16	
1	5	1	3	17		1	1	17	
2	1	2	1	18		2		18	
3		3	1	19		3		19	
4		4		20		4		20	
5		5		21		5		21	
6		6		22		6		22	
7		7		23		7		23	
8		8		24		8		24	
9		9		25		9		25	
10		10		26		10		26	
11		11		27		11		27	
12		12		28		12		28	
13		13		29		13		29	
14		14		30		14		30	
15+		15		31+		15		31+	

(TAXA FOR L.FREQS.= YEP LMB SMB )



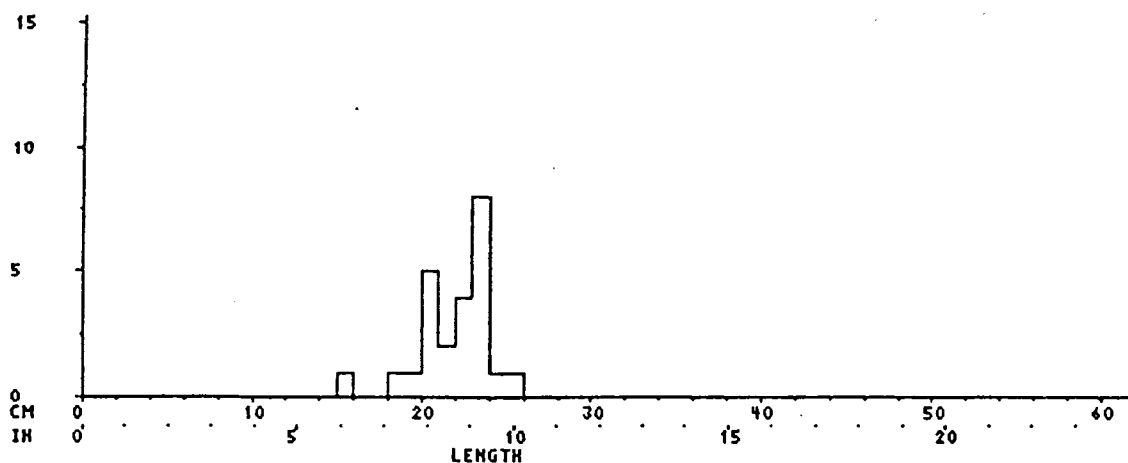


FIGURE 1. POTTERS MARSH 1997 ICE CREEL THRU 2/28. HARVESTED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 24 INDIVIDUALS

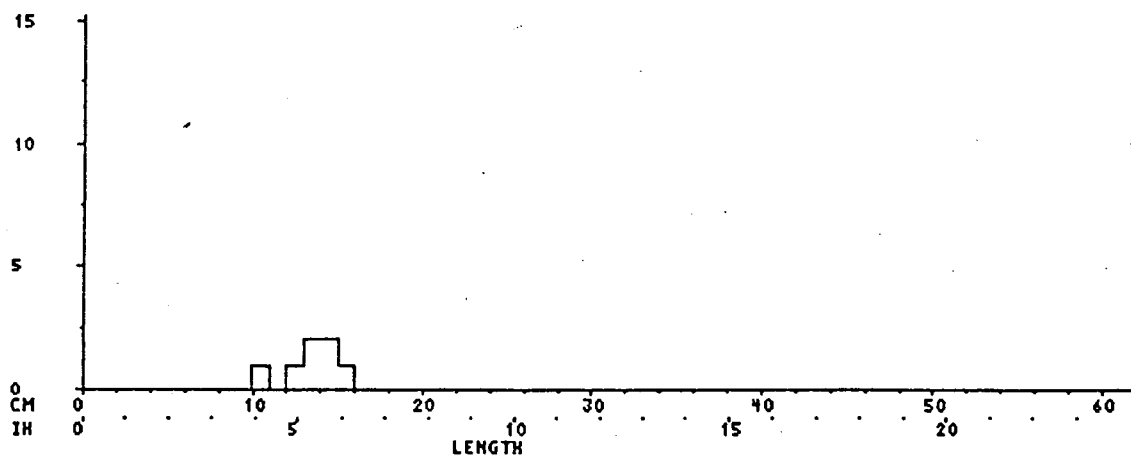


FIGURE 2. POTTERS MARSH 1997 ICE CREEL THRU 2/28. RELEASED 'BLC' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 7 INDIVIDUALS

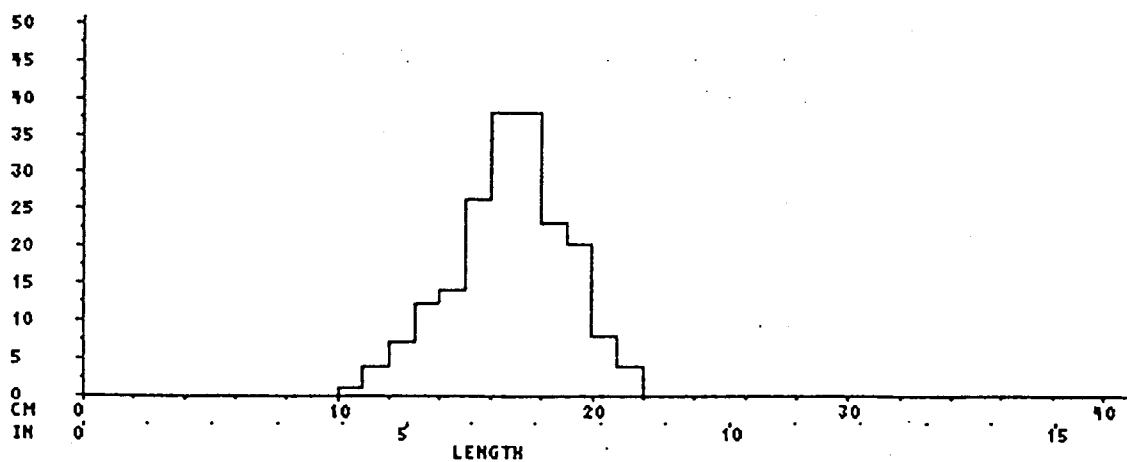


FIGURE 3. POTTERS MARSH 1997 ICE CREEL THRU 2/28. HARVESTED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 195 INDIVIDUALS

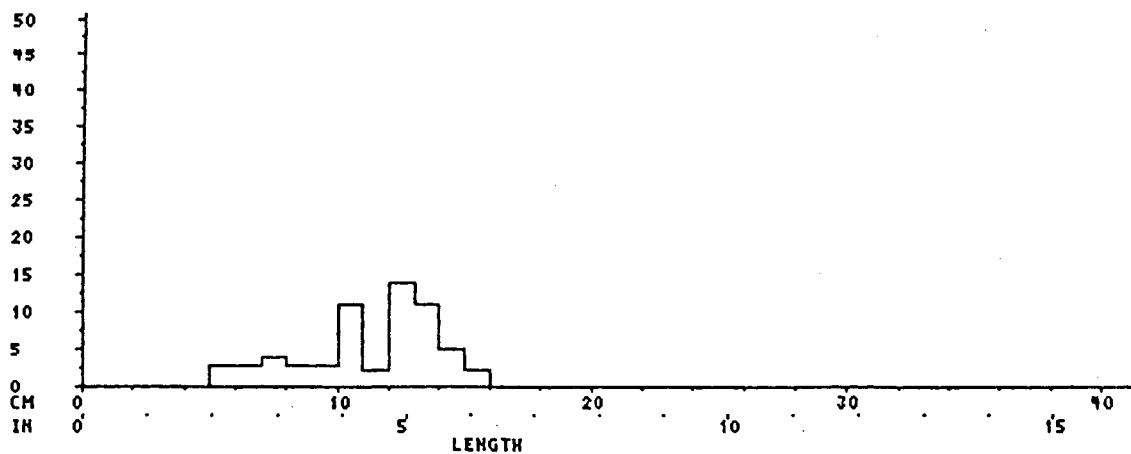


FIGURE 4. POTTERS MARSH 1997 ICE CREEL THRU 2/28. RELEASED 'BLG' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 61 INDIVIDUALS

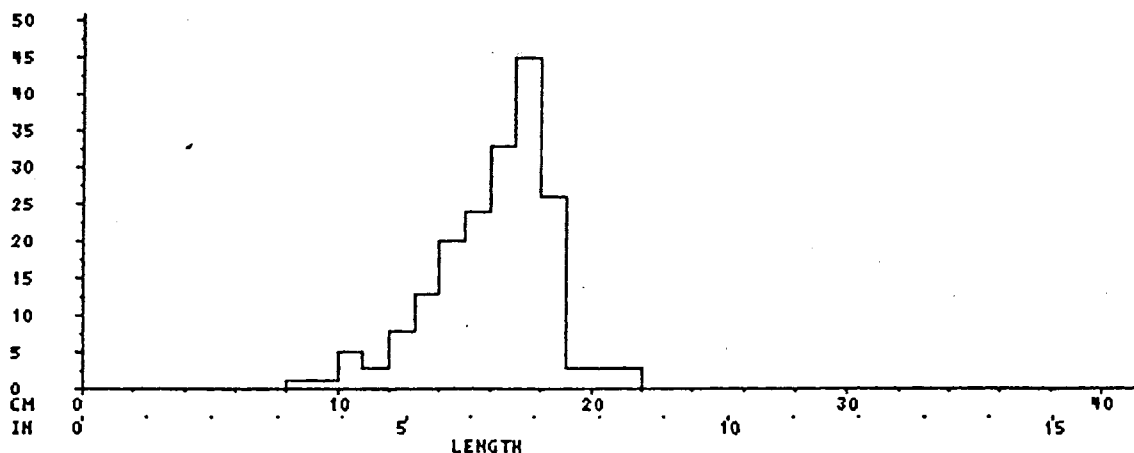


FIGURE 5. POTTERS MARSH 1997 ICE CREEL THRU 2/28. HARVESTED 'RSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 188 INDIVIDUALS

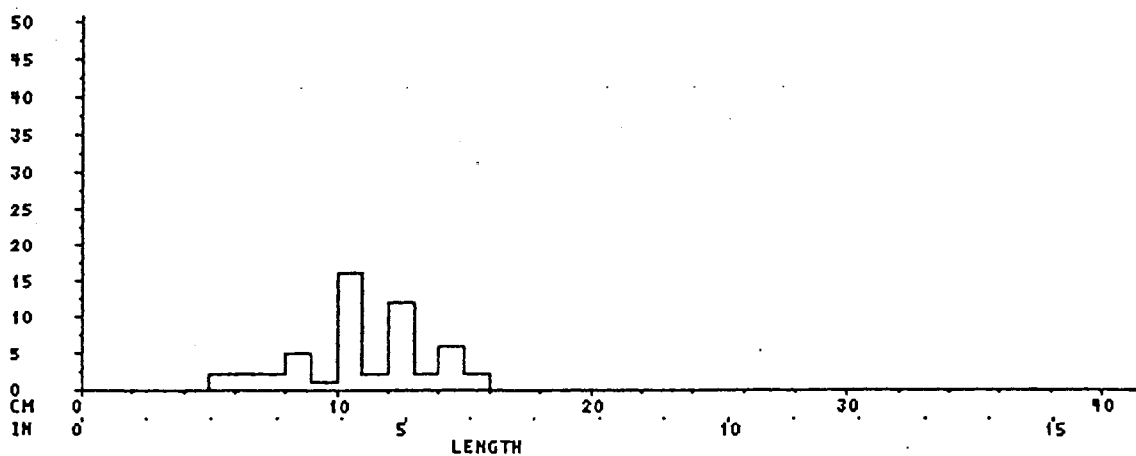


FIGURE 6. POTTERS MARSH 1997 ICE CREEL THRU 2/28. RELEASED 'RSF' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 52 INDIVIDUALS

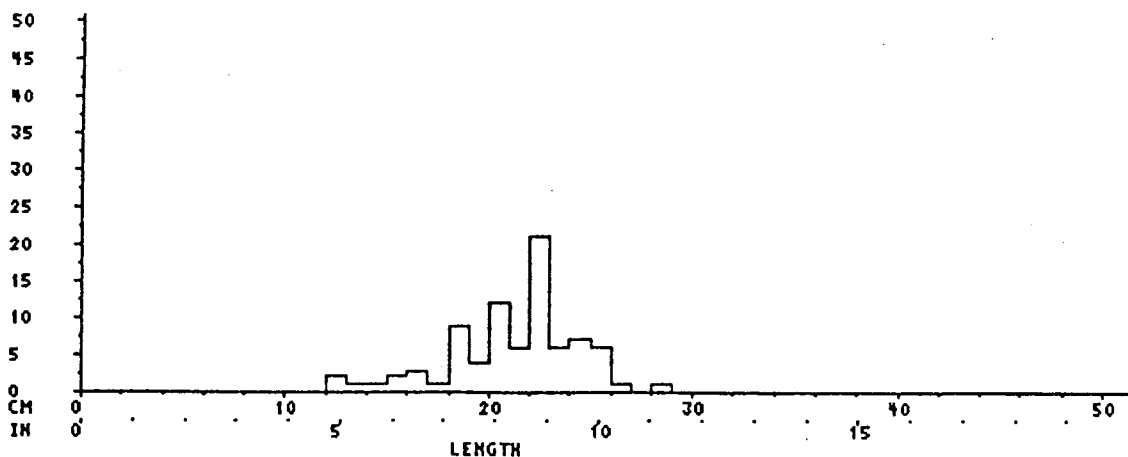


FIGURE 7. POTTERS MARSH 1997 ICE CREEL THRU 2/28. HARVESTED 'YEP' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 83 INDIVIDUALS

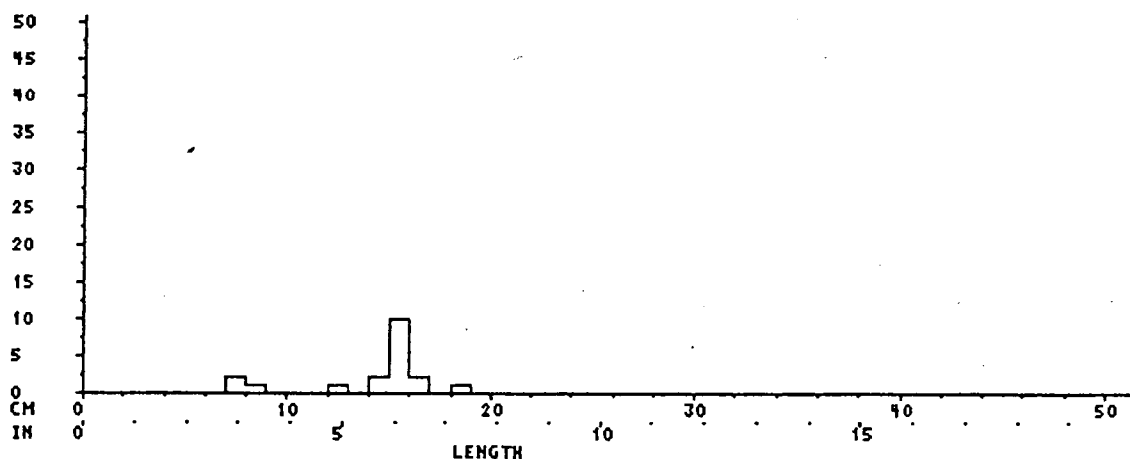


FIGURE 8. POTTERS MARSH 1997 ICE CREEL THRU 2/28. RELEASED 'YEP' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 19 INDIVIDUALS

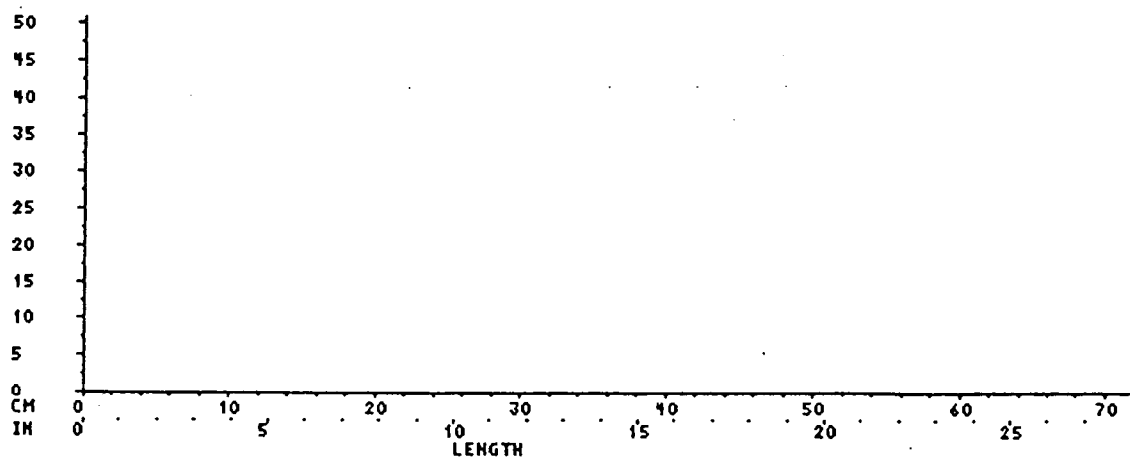


FIGURE 9. POTTERS MARSH 1997 ICE CREEL THRU 2/28. HARVESTED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS

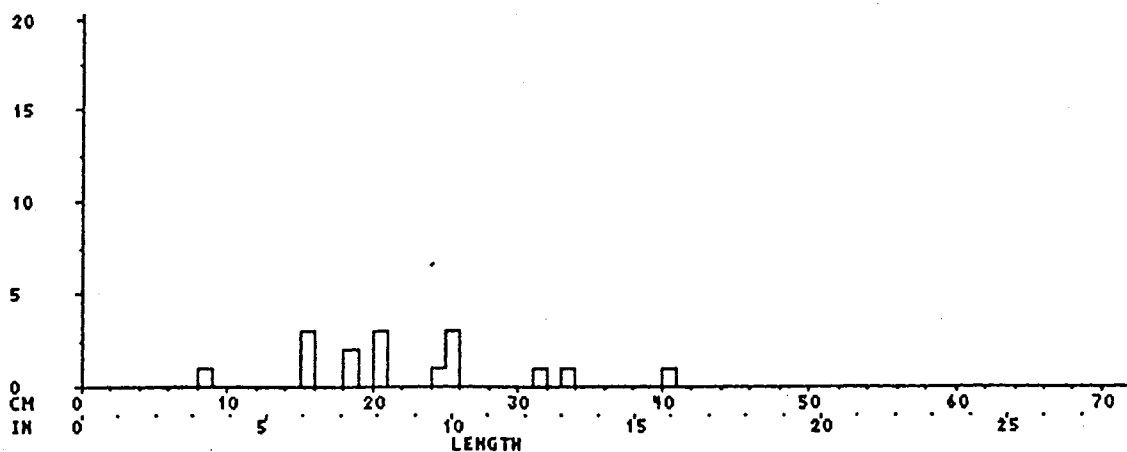


FIGURE 10. POTTERS MARSH 1997 ICE CREEL THRU 2/28. RELEASED 'LMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 16 INDIVIDUALS

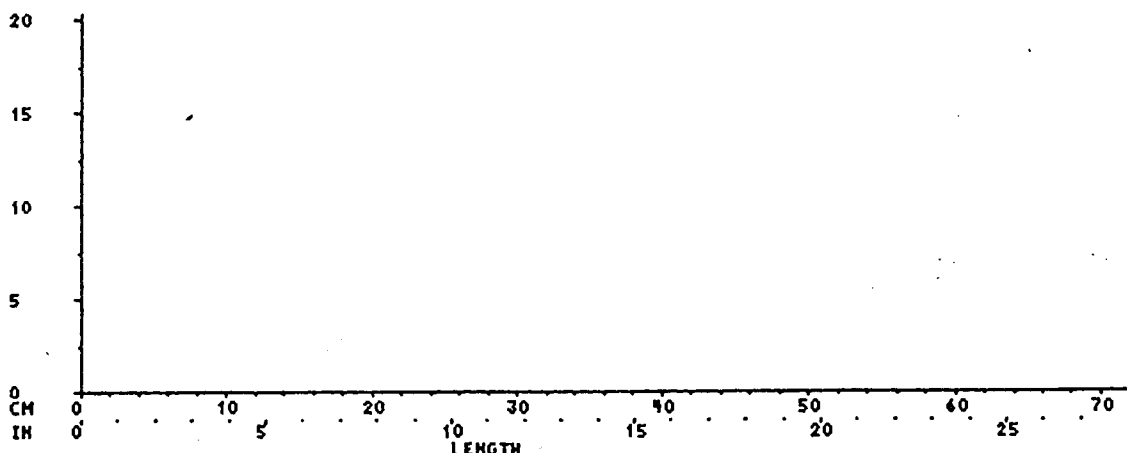


FIGURE 11. POTTERS MARSH 1997 ICE CREEL THRU 2/28. HARVESTED 'SMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 0 INDIVIDUALS..

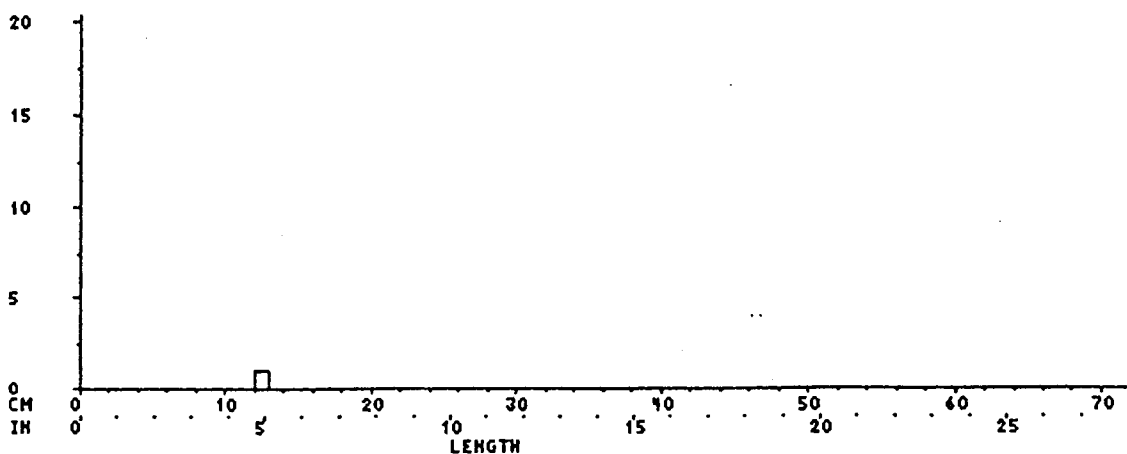


FIGURE 12. POTTERS MARSH 1997 ICE CREEL THRU 2/28. RELEASED 'SMB' BY ALL ANGLERS.  
FREQUENCY VS. FISH LENGTH 1 INDIVIDUALS



